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DHA-S680

DVD/VIDEO CD/CD Changer

• OWNER'S MANUAL
Please read before using this equipment.

• MODE D'EMPLOI
Veuillez lire avant d'utiliser cet appareil.

• MANUAL DE OPERACIÓN
Léalo antes de utilizar este equipo.

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⚠ Precautions

⚠ WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving.
Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring.
Failure to take such precautions may result in fire.

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.

Doing so may result in personal injury or damage to the product.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING.

Failure to do so may result in an accident.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

⚠ CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges.
This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts.
Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust.
Moisture or dust that penetrates into this unit may result in product failure.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.

When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed.
Rupture or chemical leakage from the battery may cause fire or personal injury.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience.
To ensure safety, always contact the dealer where you purchased this product to have the work done.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

CAUTION

CAUTION-Laser radiation when open, DO NOT STARE INTO BEAM

(Rear side of player)

⚠ PRECAUTIONS

Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and –10°C (+14°F) before turning your unit on.

Proper Handling

Handle your disc as shown. Do not drop the disc while handling. Hold the disc so you will not leave fingerprints on the surface. If the surface is scratched, it may cause the pickup to skip. Do not affix tape, paper, or gummed labels on the disc. Do not write on the disc.

Keep Your Discs Clean

Fingerprints, dust, or soil on the surface could cause the pickup to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the center of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.

Disc Accessories

Various disc accessories for protecting the surface of the disc and improving sound quality are available on the market.
However, many of them will increase the thickness and/or diameter of the disc. Using such accessories may place the disc beyond the specified size limitations and cause the changer to malfunction. Because of the high precision electronics of the DHA-S680 and the highly stable mechanism, these accessories are not necessary and therefore not recommended for use with discs placed in the DHA-S680.

Caution for new discs

When a newly purchased disc is inserted into the changer magazine, the disc may fail to play after initial loading. This is caused by small bumps around the center hole and outside of the disc, which prevent stable loading into the correct position. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ball-point pen or other such instrument, then insert the disc again.

NOTE

The mechanism automatically prevents this type of disc from playing as a protective measure. This is not an indication of faulty operation.

Damaged Disc

Do not attempt to play cracked, warped, or otherwise damaged discs.
Playing a bad disc could severely damage the playback mechanism.

Storage

When not in use, place your discs in their individual cases and store them in a cool place away from the sun, heat, and dust.

Irregular Shaped Discs

Make sure the discs you use in this unit do not have any irregularities. The outer and inner edges should be round and smooth. Use of irregularly shaped discs may cause damage to the mechanism.

Installation Location

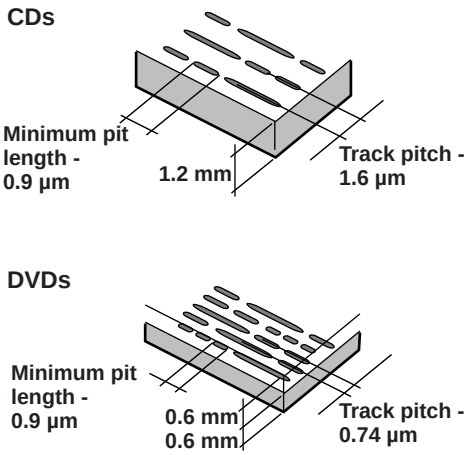
Make sure the DHA-S680 will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

Before Operation

About DVDs

Music CDs and DVDs have grooves (tracks) in which the digital data is recorded. The data is represented as microscopic pits recorded into the track – these pits are read by a laser beam to play the disc. On DVDs, the density of the tracks and pits is twice that of CDs, so DVDs can contain more data in less space.



A 12 cm disc can contain one movie or about four hours of music.
In addition, DVDs provide sharp picture quality with vivid colors thanks to a horizontal resolution of over 500 lines (compared to less than 300 for VHS tape). With the addition of an optional, digital audio processor (PXA-H900/PXA-H510), you can recreate the power and presence of a movie theater with Dolby Digital 5.1-channel Surround.

Moreover, DVDs offer a variety of functions.

- **Multiple audio* (page 17)**
  Movies can be recorded in up to eight languages. The desired language can be selected from the remote control unit.

- **Subtitles function* (page 18)**
  Movies can include subtitles in up to 32 languages. The desired subtitle language can be selected from the remote control unit.

- **Multi angle function* (page 17)**
  When the DVD contains a movie shot from multiple angles, the desired angle can be selected from the remote control unit.

- **Multi story function***
  With this function, a single movie includes various story lines. You can select different story lines to view various versions of the same movie.
  Operation differs from disc to disc. Story line selection screens including instructions appear during the movie. Just follow the instructions.

NOTE

** The functions audio languages, subtitle languages, angles, etc., differ from disc to disc. For details, refer to the disc's instructions.*

Before Operation

Discs playable on this DVD changer

- **Playable discs**
  The discs listed below can be played on this DVD changer.

	Mark (logo)	Recorded content	Disc size	Max. playing time
DVD Video	DVD VIDEO	Audio + Video (Moving pictures)	12 cm*	One-sided disc Approx. 4 hours
				Two-sided disc Approx. 8 hours
			8 cm	One-sided disc Approx. 80 Minutes
				Two-sided disc Approx. 160 Minutes
Video CD	COMPACT disc DIGITAL VIDEO / VIDEO CD	Audio + Video (Moving pictures)	12 cm	Approx. 74 Minutes
			8 cm	Approx. 20 Minutes
Music CD	COMPACT disc DIGITAL AUDIO / COMPACT disc DIGITAL AUDIO TEXT	Audio	12 cm	Approx. 74 Minutes
			8 cm (CD single)	Approx. 20 Minutes

* Two-layer DVD disc compatible

This unit can play back music CD-R (CD-Recordable) and CD-RW (CD-ReWritable) discs. MP3 file format CD-R/CD-RW discs cannot be played.

- Discs such as the these may not be playable: Discs with fingerprints or scratches/Discs that have been left in the car or in the equipment for a long period/Discs for which data writing condition was not stable.

Handling of Compact Discs (CD/CD-R/CD-RW)
Please observe the following points to avoid breakdown and operation faults:
Don't touch the disc surface/Don't leave in direct sunlight/Don't affix labels or write on the disc/ Wipe away dust or dirt that adheres to the disc/ Check that there are no burrs/Don't use commercial accessories.

Pay special attention to the following for CD-R/CD-RW discs:
Do not leave discs in the car or in the equipment for long periods. Never leave discs exposed to direct sunlight. The discs are susceptible to the effects of environments having high temperature and humidity and may deteriorate and exhibit play faults.

- **Discs that cannot not be played**
  DVD-ROMs, DVD-R/DVD-RAMs, CD-ROMs, photo CDs, etc.

- **DVD region number (playable region number)**
  This DVD changer will play back any disc whose region number is 1 (or All). DVDs with a region number other than those listed below, cannot be played on this DVD player.

- **Video CDs**
  This DVD changer is compatible with playback control (PBC) compatible video CDs (version 2.0).
  "PBC" is a function by which you can use menu screens recorded on the disc to find the scene you want to watch and view various types of information in dialog style.

- **Disc terminology**

  Title
  If titles are programmed for the DVD, these are the largest unit of division of the information recorded on the disc.

  Chapter
  Each Title may also be divided into smaller divisions called Chapters. These can be specific scenes or musical selections.

* *This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.*

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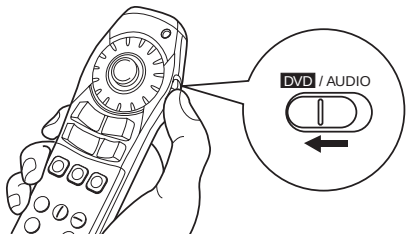
** "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, inc.*

When using remote control

- **Mode Switch**
  To operate the DVD Changer, make sure the mode switch is on "DVD". DVD operations are shown as the blue characters on the remote control unit.

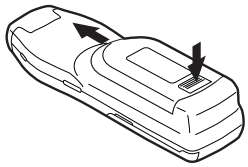


Switching to "AUDIO" mode, makes it possible to operate Alpine audio products as well. Audio operations are shown as the white characters on the remote control unit.

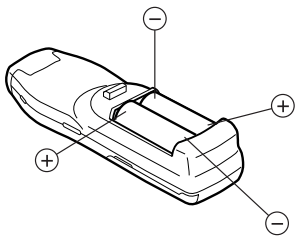
- Point the remote control at the remote sensor within about 2 meter.
- It may not be possible to operate the remote control unit if the remote control sensor is exposed to direct sunlight.
- The remote control is a small, light weight precision device. To avoid damage, short battery life, operational errors and poor button response, observe the following.
  - Do not apply any shock.
  - Do not put in a trouser pocket.
  - Keep away from food, moisture and dirt.
  - Do not place in direct sunshine.

Replacing the batteries

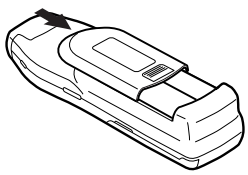
1 Opening the battery cover
Push on the cover and slide it as indicated by the arrows then the cover will be removed.



2 Replacing the battery
Remove the old batteries. Insert new ones matching the (+) and (–) polarities as shown in the diagram inside the remote control.



3 Closing the cover
Push the cover in the arrow direction until a click is heard.



NOTE
Use two AA size batteries.

⚠ Warning

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

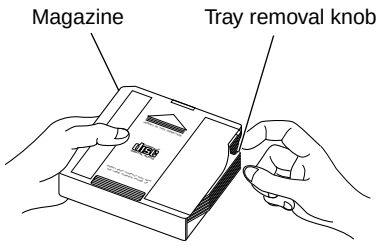
Before Operation

Handling the magazine

Turn the power on before loading and unloading discs. (See “Turning the power on and off” on page 10.)

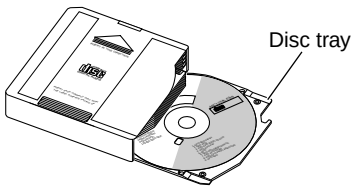
Loading discs

1 Pull the tray removal knob with your finger and draw the disc tray out of the magazine.
Be careful not to drop the disc.

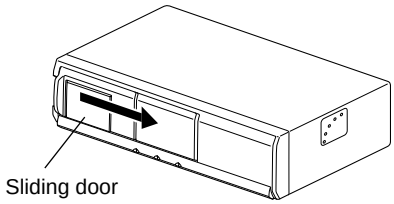


NOTE
Do not remove the disc tray from the magazine. When the disc tray is pulled out from the magazine, do not pull it out with excessive force. Doing so will cause breakdown.

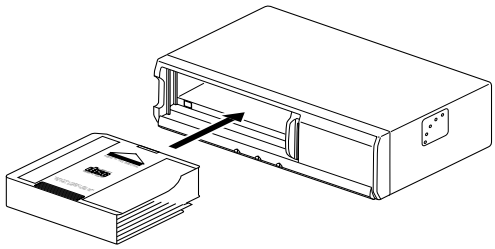
2 Set discs in the disc tray with the labeled side facing up. Set one disc in the tray at a time (up to 6 discs).
Be careful not to drop the disc.
After loading the discs, press the disc tray fully into the magazine until it closes and a click is heard.



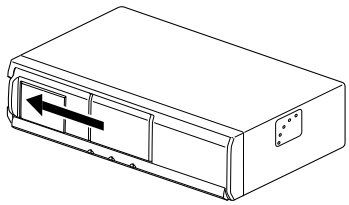
3 Grasp the sliding door knob and slide the door fully to the right until a click is heard and the door locks.



4 Check to make sure the magazine is in the proper direction (top/bottom and front/back), then push it in fully until a click is heard and the magazine is locked in place.



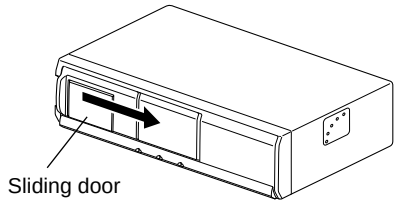
5 inserting the magazine, grasp the tab of the sliding door and slide the door all the way to the left until it locks with a “click.”



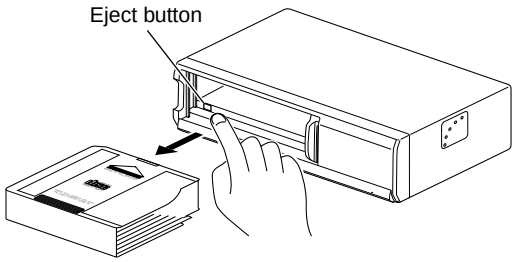
NOTES
- *When the magazine is inserted, a check of the disc inside the magazine is performed automatically.*
- *When this unit is directly connected to a disc changer, insertion of a magazine into this unit while the CD changer is playing will result in the sound of the CD changer being muted because of the disc check being performed.*

Removing discs

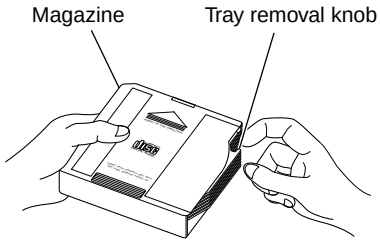
1 Grasp the sliding door knob and slide the door fully to the right until a click is heard and the door locks.



2 Press the eject button to eject the magazine, then remove the magazine.



3 Pull the tray removal knob with your finger and draw the disc tray out of the magazine.
Pay attention to the disc's signal surface when removing discs. (See "PRECAUTIONS" on page 4.)



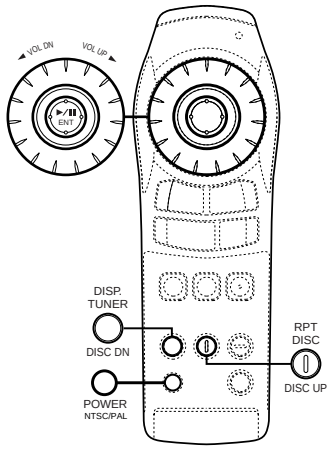
NOTE

Do not remove the disc tray from the magazine. When the disc tray is pulled out from the magazine, do not pull it out with excessive force. Doing so will cause breakdown.

Cautions on using the magazine

- CD changer magazines (included magazines or accessories) cannot be used with this product.
- Disc trays for CD changer magazines cannot be used with this product's magazine. Such trays can be inserted for reasons of structure, but using them may damage this product. Never use disc trays for CD changer magazines.
- Do not forcibly remove the magazine.
- Only one disc can be inserted per slot. Attempting to insert two or more discs will result in damage.
- Never remove the tray from the magazine.
- When the ignition key is set to ACC or ON, the magazine can be removed even when the power setting of the unit is set to OFF.

Quick Guide



Play Position Memory Function

- **Even if you turn power off or switch the Ignition Key to OFF during playback or change the source, playback will continue from the point where playback stopped when the power is turned ON again. The play position memory is cancelled when the magazine is removed or the disc is changed.**

Turning the power on and off

- **When connected with a head unit by using an Ai-NET**

⚠Caution

- When connected with an Alpine head unit
  If the DHA-S680 is connected to an Ai-NET compatible AV head unit or Ai-NET compatible head unit, read the section “Changing the system settings” (page 48) thoroughly and make the “Ai-NET setting” and “H.U. CONTROL setting” before using it.
- With this unit connected to an Ai-NET compatible AV head unit or Ai-NET compatible head unit, there will be about a 3 second delay during power-up from the remote control unit. This is caused by the systems communications being carried out by the various components and is not a defect.
- When connected with an Ai-NET compatible AV head unit and Ai-NET compatible head unit, the power cannot be turned off from the remote control unit. Turn off the DHA-S680 power by switching the head unit’s source. For details, refer to “Operating from the head unit” (page 40).

1 Set the head unit’s source to DVD Changer or CD Changer.
The power turns on.

NOTE
The head unit’s sources vary depending on the head unit connected, system components and Ai-NET setting of DHA-S680.

2 To turn the power off, change the head unit’s source.

- **When not connected with a head unit by using an Ai-NET**

⚠Caution When not connected with a head unit by using an Ai-NET
If the DHA-S680 is not connected to an Ai-NET compatible head unit, read the section “Changing the system settings” (page 48) thoroughly and set the “H.U. CONTROL setting” to OFF before using it.

1 Press the **POWER** button of the remote control unit.
The power turns on.

2 To turn the power off, press the **POWER** button again.

Switching between NTSC and PAL configuration

Switch the video output configuration to NTSC or PAL according to the type of television and the disc recording method.

1 Press the **NTSC/PAL** button for at least 5 seconds.

NOTES

- *NTSC is the standard and there is no need to change the setting. The system is set to NTSC at time of shipment from the factory.*
- *The image output configuration must be correct. Otherwise the following message appears and playback does not start: "VIDEO SIGNAL SYSTEM IS NOT CORRECT".*

Tips

DVD Video CD CD

• Using the Number Keys

This describes use of the Number Keys, particularly the "+10" key.

To input 10: Press the "+10" key once and then press the "0" key.
To input 16: Press the "+10" key once and then press the "6" key.
To input 23: Press the "+10" key twice and then press the "3" key.

* Each time the "+10" key is pressed, the number increases by 10.

Adjusting the volume

Adjust the volume for connecting only with the Digital Audio Processor (PXA-H510/PXA-H900).

1 Move the **rotary encoder** to the right or left.
Turn to the right to increase the volume.
Turn to the left to decrease the volume.

NOTE

If an Ai-NET product (head unit or AV head unit) has been connected in addition to the Digital Audio Processor (PXA-H510/PXA-H900 or AV head unit), or if this equipment is connected singly to a TV monitor, adjust the volume on the connected equipment.

Selecting the disc

1 Press the **DISC DN** or **DISC UP** button to select the side you want to play.
The DHA-S680 detects the disc (DVD, Video CD, CD) automatically and starts playback.

NOTE

For CDs, if repeat is OFF, there will be an automatic changeover to the next disc after the disc finishes playing.
For DVD and video CD, discs will not be switched even if repeat is OFF.
For further information about repeat switching, see "Chapter/track/title repeat playback" (on Page 16).

Tips

• Reading this manual

Stopping playback

DVD Video CD CD

Press the stop button during playback to stop playback. That position is stored in the memory.

1 Press the ■ button during playback.

Tips

• Using the PRE-STOP function (DVD, Video CD only)

When the PRE-STOP function is used, the position at which playback is stopped is stored in the memory, and playback resumes from that position.

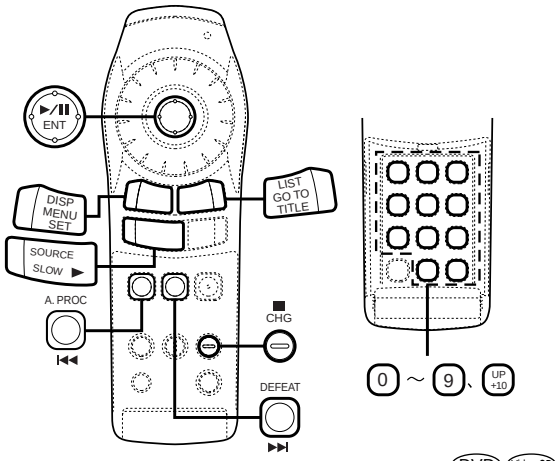
1 Press the ■ button once during playback.
"PRE-STOP" is displayed.

2 Press the ► button in the PRE-STOP mode.
Playback starts from the position at which it was stopped.

These indicate the discs for which the function can be used.

DVD ...DVDs
Video CD ...Video CDs
CD ...Music CDs

This indicates supplementary explanation of operation of this system.



Playing discs

DVD Video CD CD

⚠Caution
- With some DVDs, certain operations are disabled. Such operations are not possible on such DVDs.
- The DVD functions described in this manual are not supported by all DVDs. See the individual DVDs instructions for details on the features supported.
- Fingerprints on a disc may adversely affect playback. If a problem occurs, remove the disc and check for fingerprints on the playback side. Clean the disc if necessary.
- When using the remote control, be careful to press one button at time. Pressing multiple buttons at the same time may cause erroneous operation.
- Even if you switch or the Ignition Key to OFF during playback or change the source, playback will continue from the point where it stopped when the power is turned ON again.
  If the magazine is removed or the disc is changed, the play position memory is released.
- Operation may not be accepted depending on the type of disc and the playback conditions. At such a time the following mark is displayed on the screen: ⊘

1 Press the ► button.
Playback starts.

NOTES
- *During play, the front panel indicators of this unit flash.*
  Playing a DVD: The DVD VIDEO indicator flashes
  Playing a video CD: The VIDEO CD indicator flashes
  Playing a CD: The AUDIO CD indicator flashes
- *The reverse side of a double-sided DVD will not be played automatically.*
  Remove the disc, turn it over, and reinsert it.
- *For CDs, if repeat is OFF, there will be an automatic changeover to the next disc after the disc finishes playing.*
- *For DVD and video CD, discs will not be switched even if repeat is OFF.*
- *For further information about repeat switching, see "Chapter/track/title repeat playback" (on Page 16).*

• If a menu screen appears DVD Video CD

On DVDs and video CDs with playback control (PBC), menu screens may appear automatically. If this happens, perform the operation described below to start playback.

NOTE
For many discs, the menu screen can also be displayed by pressing the MENU or TITLE button (for at least 2 seconds).

DVD menu
Use the **Joystick** to select the desired item, then press the **ENT** or ► button.

NOTE
For some discs it is possible to select items directly from the menu screen using the number keys ("0" to "9" and "+10").

Video CD menu
Use the number keys (**"0" to "9"** and **"+10"**) to select the desired number.

NOTE
The menu screen does not appear when the PBC function is turned off. If this is the case, press the MENU button to turn on the PBC function.

Stopping playback

DVD Video CD CD

Press the stop button during playback to stop playback. That position is stored in the memory.

1 Press the ■ button during playback.

Tips

- **Using the PRE-STOP function (DVD, Video CD only)**
  When the PRE-STOP function is used, the position at which playback is stopped is stored in the memory, and playback resumes from that position.

  1 Press the ■ button once during playback.
  "PRE-STOP" is displayed.

  2 Press the ▶ button in the PRE-STOP mode.
  Playback starts from the position at which it was stopped.

- **Canceling the PRE-STOP function**
  Either press the ■ button again in the PRE-STOP mode, remove the magazine, switch the disc, switch the source, or turn the ignition key off to clear the memory.

NOTES

- *For some discs, the position at which playback was stopped may not be accurate.*
- *Playback starts at the beginning of the disc whenever ignition is turned off or another Ai-NET source is selected.*

Fast-forwarding/ fast-reversing

DVD Video CD CD

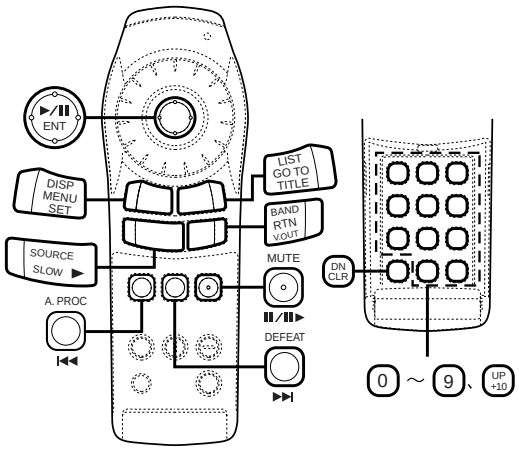
1 During playback, press the ⏮ (fast-reverse) or ⏭ (fast-forward) button for at least 2 seconds.

2 Press the ▶ button to return to normal playback.

NOTES

- *No sound or subtitles are played during fast-forwarding/fast-reversing.*
- *For DVDs and video CDs with playback control (PBC), the menu screen may reappear during fast-forwarding/fast-reversing.*

Quick Guide



Finding the beginnings of chapters or tracks

DVD Video CD CD

1 During playback, press the ⏮ or ⏭ button.
The chapter/track switches each time the button is pressed, and playback of the selected chapter/track starts.

⏭: Press this to start playback from the beginning of the following chapter or track.
⏮: Press this to start playback from the beginning of the current chapter or track.

NOTE
Some DVDs do not have chapters.

Supplementary explanation
"Chapters" are divisions of movies or musical selections on DVDs.
"Tracks" are divisions of movies or musical selections on video and music CDs.

Playing still frames (pausing)

DVD Video CD CD

1 During playback, press the II/II▶ button once.

2 Press the ▶ button to resume playback.

NOTES
- *No sound is played during the still frame mode.*
- *When a playback starts after about 5 minutes of temporary still (pause), a picture or sound may stop for an instant period, but this is not a failure.*

Frame-by-frame playback

DVD Video CD CD

1 In the pause mode, press the II/II▶ button.
The picture advances by one frame each time the button is pressed.

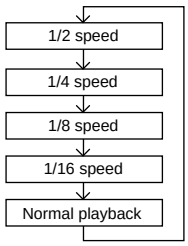
2 Press the ▶ button to resume normal playback.

NOTE
No sound is played during frame-by-frame playback.

Slow motion playback

DVD Video CD

1 During playback, press the **SLOW** button for at least 2 seconds.
The slow motion playing speed changes each time the button is pressed.



2 Press the ▶ button to resume normal playback.

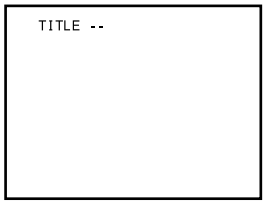
NOTES
- *No sound is played during slow motion playback.*
- *Slow playback is not available when playing back a slide show.*
- *1/2, 1/4, 1/8 and 1/16 are approximate speeds. The actual speed differs from disc to disc.*

Convenient Functions

Searching by title number (DVD)

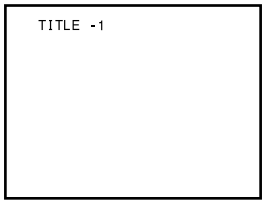
Use this function to easily find positions on the DVD using the DVD's title menu.

1 During playback, press the **GO TO** button.
The mode switches each time the button is pressed.
Select "TITLE".



TITLE → CHAPT → TIME → Normal playback

2 Input the number of the title you want to play using the number keys (**"0" to "9"**).



(When title number 1 is input)

NOTES

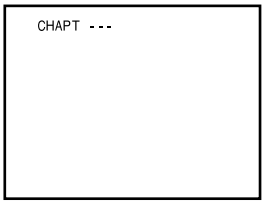
- *This function cannot be used on discs on which no title numbers are recorded.*
- *To input the title number, the "+10" key is not used. Use the number keys "0" to "9".*
- *Press the CLR button to delete the last digit in the title number. Press the CLR button for at least 2 seconds to clear all title numbers.*
- *Press the RTN button to cancel the title search mode and resume normal playback.*

3 Press the **ENT** button.
Playback starts from the selected title number.

Searching directly by chapter or track number (DVD) (Video CD) (CD)

Use this function to easily move to the beginnings of the chapters or tracks on the disc.

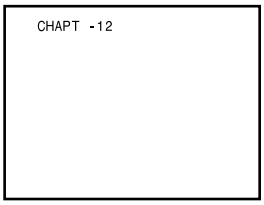
1 During playback, press the **GO TO** button.
The mode switches each time the button is pressed. Select "CHAPT" or "TRACK".



DVD Video
TITLE → CHAPT → TIME → Normal playback

Video-CD/CD
TRACK → TIME → Normal playback

2 Input the number of the chapter or track you want to play using the number keys (**"0" to "9"**).



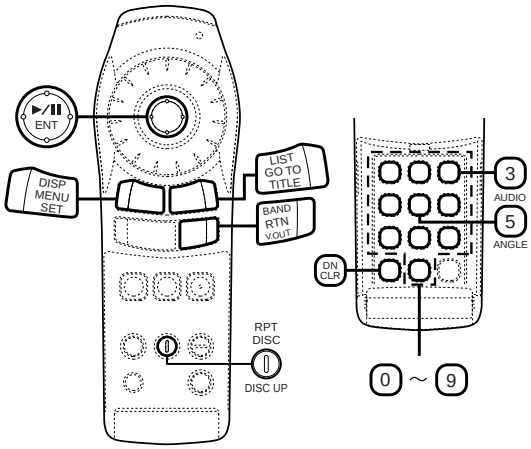
(When chapter number 12 is input)

3 Press the **ENT** button.
Playback starts from the selected chapter or track.

NOTES

- *This function cannot be used on discs on which no chapter numbers are recorded.*
- *To input the chapter or track number, the "+10" key is not used. Use the number keys "0" to "9".*
- *Press the CLR button to delete the last digit in the chapter/track number. Press the CLR button for at least 2 seconds to clear "Chapter" and "Track" numbers.*
- *Press the RTN button to cancel the chapter/track search mode and resume normal playback.*
- *With video discs containing playback control (PBC), function of "searching directly by track number" is not available under the PBC ON status. Press the MENU button to turn the PBC function off.*
- *If the chapter/track number is known, you can search directly using the number keys ("0" to "9" and "+10") during playback mode, PRE-STOP mode, etc.*

Convenient Functions

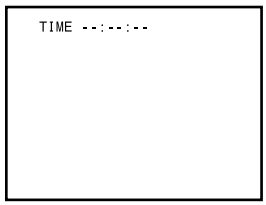


Searching by elapsed time

DVD Video CD CD

Use this function to search by specifying the elapsed time.

1 During playback, press the **GO TO** button.
The mode switches each time the button is pressed.
Select "TIME".

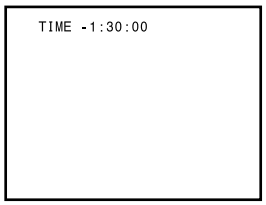


DVD Video
TITLE → CHAPT → TIME → Normal playback

Video-CD/CD
TRACK → TIME → Normal playback

2 Input the elapsed time from which you want to start playback using the number keys (**"0" to "9"**).

(Input the hours first, followed by the minutes, then the seconds.)



(When 1 hour, 30 minutes is input as the elapsed time)

NOTES

- *To input the elapsed time, the "+10" key is not used. Use the number keys "0" to "9".*
- *Press the CLR button to delete the last digit in the elapsed time. Press the CLR button for at least 2 seconds to erase all the set times.*
- *Press the RTN button to cancel the elapsed time search mode and resume normal playback.*
- *With DVDs, the precision of the elapsed time search function differs from disc to disc.*
- *With video discs containing playback control (PBC), function of "searching by elapsed time" is not available under the PBC ON status. Press the MENU button to turn the PBC function off.*

3 Press the **ENT** button.
Playback starts from the specified elapsed time.

Chapter/track/title repeat playback

DVD Video CD CD

Use this function to play the disc's titles, chapters or tracks repeatedly.

1 During playback, press the **RPT** button.
The repeat mode switches each time the button is pressed.

DVD

RPT CHAPT → The chapter is played repeatedly.
RPT TITLE → The title is played repeatedly.
RPT OFF → The mode returns to normal playback. (setting at factory shipping)

Video CD CD

RPT TRACK → The track is played repeatedly.
RPT DISK → The entire disc is played repeatedly.
RPT OFF → (setting at factory shipping)

NOTES

- *The track/disc repeat modes cannot be used on video CDs with playback control (PBC). Press the MENU button to turn the PBC function off.*
- *For some discs it is not possible to switch the repeat mode.*
- *For CDs, if repeat is OFF, there will be an automatic changeover to the next disc after the disc finishes playing.*
  For DVD and video CD, discs will not be switched even if repeat is OFF. Use the remote control to switch these discs. For further information about disc switching, see "Selecting the disc" (on Page 11).

Switching the audio language

DVD Video CD

On DVDs including multiple audio modes or multiple audio languages, the audio language can be switched during playback.

1 During playback, press the **AUDIO** button for at least 2 seconds.
The sound switches between the different audio modes recorded on the disc each time the button is pressed.

NOTES

- *The language selected with the default settings is set when the power is turned on or the disc is replaced. If the disc does not include that language, the disc's default language is set.*
- *For some discs, it is not possible to switch the audio language during playback. In this case, select audio language on the disc menu.*
- *Some time may be required for the audio language to change.*

• Video CDs with multiplex audio

1 During playback, press the **AUDIO** button for at least 2 seconds.
The combination of the left and right channels changes each time the button is pressed.

→ LL → RR → LR

Switching the angle

DVD

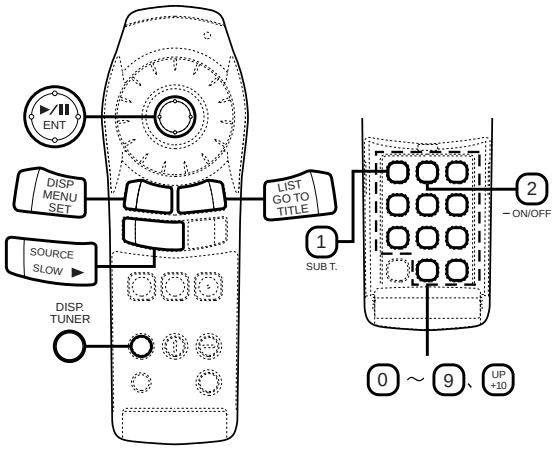
With DVDs on which images photographed from multiple angles are recorded, the angle can be switched during playback.

1 During playback, press the **ANGLE** button for at least 2 seconds.
The angle switches between the angles recorded on the disc each time the button is pressed.

NOTES

- *Some time may be required for the angle to change.*
- *Depending on the disc, the angle may switch in one of two ways.*
  - *Seamless: The angle switches smoothly.*
  - *Non-seamless: When the angle is switched, a still picture is displayed first, after which the angle switches.*

Convenient Functions



Displaying the subtitles

DVD

With DVDs on which subtitles are recorded, you can select whether to display the subtitles or not during playback.

1 During playback, press the **– ON/OFF** button for at least 2 seconds.
The currently displayed subtitles are turned on and off each time the button is pressed.

NOTES

- *For some discs, the subtitles will be displayed even when this is set to off.*
- *For some discs, it is not possible to switch the subtitles (subtitle language) during playback. In this case, make the selection from the disc menu.*

Switching the subtitles (subtitle language)

DVD

With DVDs on which multiple subtitle languages are recorded, the subtitle language can be switched during playback.

1 During playback, press the **SUB T.** button for at least 2 seconds.
The subtitle language switches between the languages recorded on the disc each time the button is pressed.

NOTES

- *Some time may be required for the subtitle language to change.*
- *For some discs, it is not possible to switch the subtitles (subtitle language) during playback. In this case, make the selection from the disc menu.*
- *The language selected with the default settings is set when the power is turned on or the disc is replaced. If the disc does not include that language, the disc's default language is set.*

Tips

- **Switching from the disc menu**
  For some discs, the audio language, angle and subtitles can be switched from the disc menu.

  1 Press the **MENU** or **TITLE** button (for at least 2 seconds), select the item, then press the **ENT** button.

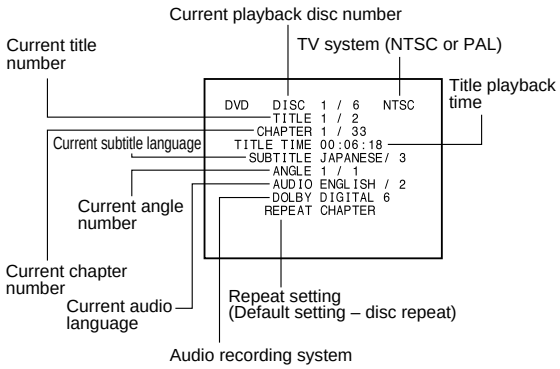
  2 Use the **Joystick** to select the language or angle, then press the **ENT** or ▶ button.
  (For some discs, they can be selected using the number keys (**"0" to "9"** and **"+10"**) while the language or the angle menu is displayed.)

Displaying the disc status

DVD

Use the procedure described below to display the status (title number, chapter number, etc.) of the currently playing DVD on the screen.

1 During playback, press the **DISP.** button.
The playback status is displayed.



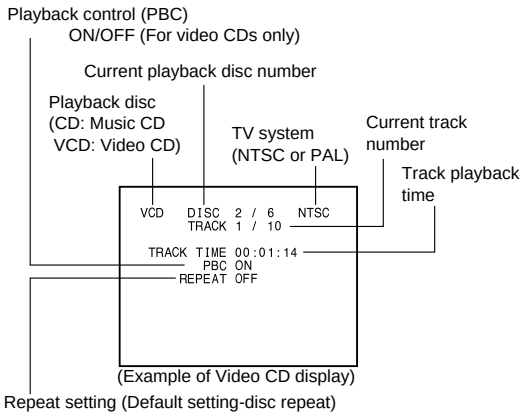
2 Press the **DISP.** button once more to turn the display off.

Displaying the disc status

Video CD
CD

Use the procedure described below to display the status (track number, etc.) of the currently playing video CD or music CD on the screen.

1 During playback, press the **DISP.** button.
The playback status is displayed.

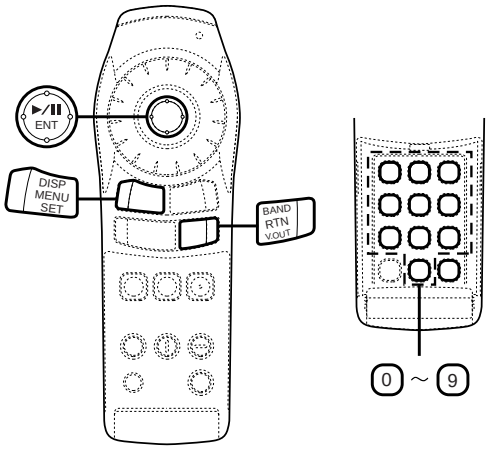


NOTE

For music CDs, the playing status is displayed even when the DISP. button is not pressed.

2 Press the **DISP.** button once more to turn the display off.

Convenient Functions



To output the DVD video while listening to other source (CD/radio etc.) (only when using Ai-NET)

DVD

When the DHA-S680 is connected to an Ai-NET compatible head unit or Ai-NET compatible AV head unit, the DVD video can be output independently on the monitor.
If the rear monitor is connected, the DVD video and audio can be output independently on the rear monitor.
For example, the DVD video can be output on the front or rear monitor, while listening to the CD/radio from the head unit.

1 Set the “Rear Monitor Select Function (AUX OUT)” on the AV head unit or front monitor side to AUX 1.

NOTES
- *When DHA-S680 is connected to AUX1.*
- *When connecting the DVD player (DVA-5205), be sure to connect the DVA-5205’s video output/audio output to the AV head unit’s or Front monitor’s AUX1. Connect the DHA-S680’s video output/audio output to the AUX2.*

2 Change the source on the head unit or AV head unit side to CD or radio, etc.

3 Use the “Playing 2 Sources Simultaneously” function on the AV head unit or front monitor side to select AUX1 with the **V.SEL** button.

4 Press the **V.OUT** button on the remote control unit for DHA-S680 at least 2 seconds.
You can watch the DVD/video CD.

5 After using this function, be sure to press the **V.OUT** button for at least 2 seconds to cancel the video output mode.

⚠Caution **If the power or the ignition key is turned off without canceling the video output mode, the set will start up in the video output mode the next time the power is turned on, and the DHA-S680’s power will remain on even if the source is switched with the head unit/AV head unit or if you try to turn off the power with the DHA-S680’s remote control unit.**
If this happens, press the V.OUT button for at least 2 seconds to cancel the video output mode.

NOTES
- *Also refer to the Owner’s Manual of the other product connected.*
- *If the monitor has no rear monitor select function, the rear monitor cannot be connected.*

Tips

• Watching the DVD/video CD with CVA-1005/CVA-1000/IVA-C800

1 Change the source on the CVA-1005/CVA-1000/IVA-C800 side to CD changer.
The DHA-S680 turns ON.

2 Use the “Playing 2 Sources Simultaneously” function on the CVA-1005/CVA-1000/IVA-C800 side to select AUX1 with the **V.SEL** button.

3 Press the **V.OUT** button on the remote control unit for this equipment at least 2 seconds.
You can watch the DVD/video CD.

4 After using this function, be sure to press the **V.OUT** button for at least 2 seconds to cancel the video output mode.

Default Settings (SET UP)

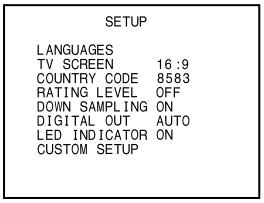
Changing the language settings

The audio language, subtitle language and menu language can be set according to your preferences.

NOTE

When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.



NOTE

This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "LANGUAGES", then press the **ENT** button.

3 Use the **Joystick** to make the selection, then press the **ENT** button.

4 Use the **Joystick** to select the desired language, then press the **ENT** button.

AUDIO

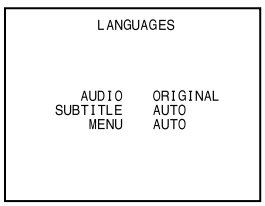
Set the audio language produced from the speakers.

SUBTITLE

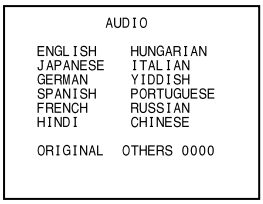
Set the language of the subtitles displayed on the screen.

MENU LANGUAGE

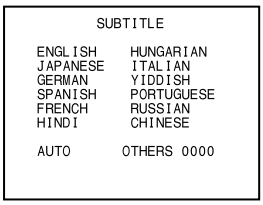
Set the language used for the menus (title menu, etc.).



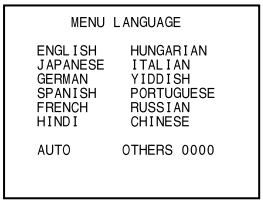
The setup screen for the selected language is displayed.



AUDIO
(audio languages)



SUBTITLE
(subtitle languages)



MENU LANGUAGE
(menu languages)

ORIGINAL

The disc is played with the audio language set as the priority language for the disc. (AUDIO only)

AUTO

The disc is played with the subtitle language set as the priority language for the disc. (SUBTITLE/ MENU LANGUAGE only)

OTHERS

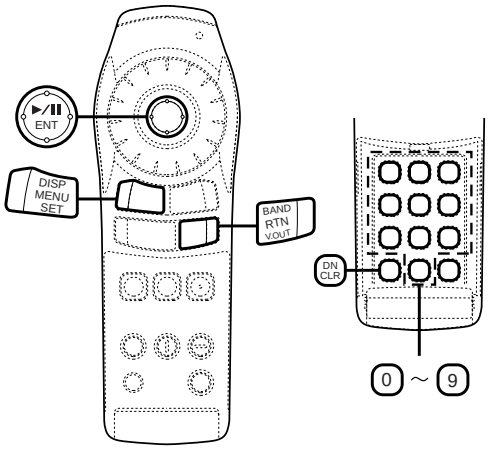
Set this to play the disc with a language other than one of the languages displayed. Use the keys **"0" to "9"** to input the 4-digit language code, then press the **ENT** button. For the language codes, refer to "List of language codes" (page 59).

NOTES

- *If the disc does not include the selected language, the disc's default language is set.*
- *Languages set upon shipment from the factory:*
  Audio language : ORIGINAL
  Subtitle language : AUTO
  Menu language : AUTO
- *Press the RTN button to return to the previous screen.*

5 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

Default Settings (SET UP)



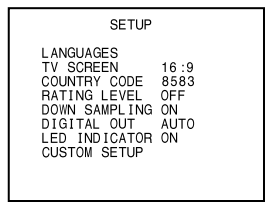
Changing the TV screen settings

Use the procedure described below to set the output screen according to the type of TV monitor being used.

NOTE

When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.

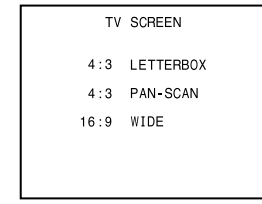


NOTE

This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "TV SCREEN", then press the **ENT** button.

3 Use the **Joystick** to make the selection, then press the **ENT** button.



4 : 3 LETTERBOX

Select this when connected to a conventional 4:3 size (normal TV aspect ratio) monitor. There may be black stripes visible at the top and bottom of the screen. The width of these stripes will depend upon the original aspect ratio of the theatrical release of the movie.

4 : 3 PAN-SCAN

Select this when connected to a conventional 4:3 size monitor. The picture will fill the entire TV screen. However, due to the mismatch in aspect ratio, parts of the movie at the extreme left and right sides will not be visible.

16 : 9 WIDE

Select this when connected to a wide screen TV. This is selected upon shipment from the factory.

NOTES
- *For some discs, the picture may not be set to the selected screen size. (For details, refer to the explanation on the disc's jacket.)*
- *Press the RTN button to return to the previous screen.*

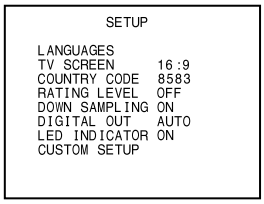
4 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

Changing the country code setting

Set the country code when setting the rating level (Parental lock).

NOTE
When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

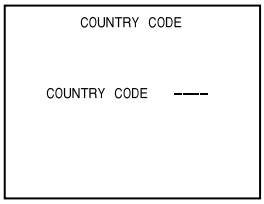
1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.



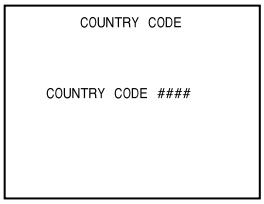
NOTE
This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "COUNTRY CODE", then press the **ENT** button**.**

3 Press the **ENT** button to reset the country code.



4 Use keys **"0" to "9"** to input the 4-digit country code, then press the **ENT** button.

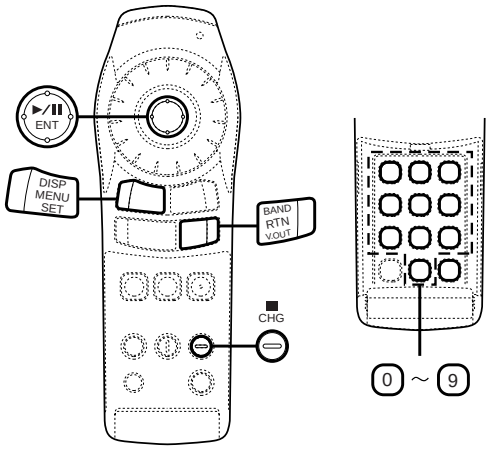


US : 8583

NOTES
- *For the country codes, refer to "List of country codes" (Page 60).*
- *Can be erased one digit at a time each time the CLR button is pressed.*
- *Press the RTN button to return to the previous screen.*

5 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

Default Settings (SET UP)

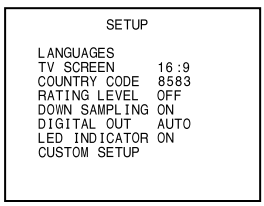


Setting the rating level (parental lock)

Use this function to restrict the viewing of movies to children of appropriate age levels only.

NOTE
When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

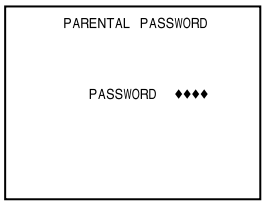
1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.



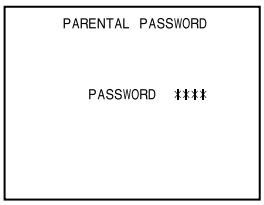
NOTE
This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "RATING LEVEL", then press the **ENT** button.

3 Press the **ENT** button.
The password input mode is set.

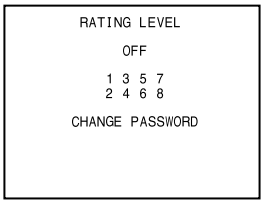


4 Use keys **"0" to "9"** to input the 4-digit password.
The default password is 1111 upon shipment from the factory.



Input numbers are displayed " ✱ ".

5 Press the **ENT** button.



6 Use the **Joystick** to select the rating level, then press the **ENT** button.
Select “OFF” to cancel the parental lock or if you do not want to set a rating level.
The higher the number, the higher the rating level.

NOTE
Press the RTN button to return to the previous screen.

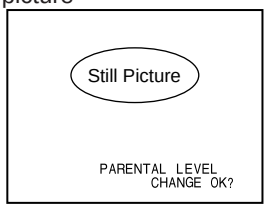
7 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

NOTES
- *If you want to change the password, select “CHANGE PASSWORD”, then input the new password (4 digits).*
- *Write down the password on a piece of paper and store the piece of paper somewhere in case you forget it.*
- *On unrated DVDs, playback will not be restricted even if the rating level is set.*
- *Once set, this rating level remains in memory until changed. To enable the play of discs of higher rating levels or to cancel the parental lock, the setting must be changed.*
- *Not all DVDs provide a Parental Lock feature. If you are unsure about a DVD, play it first to confirm. Do not leave DVDs accessible to young children for whom you deem them inappropriate.*

Tips

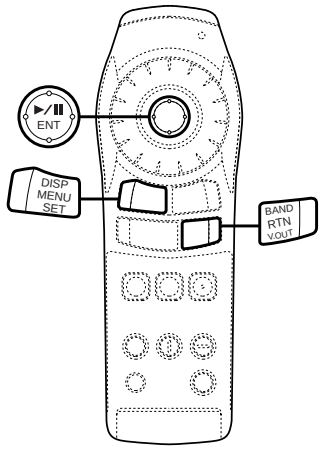
- **Changing the rating level temporarily**
Some discs may request that you change the rating level set in the default settings during playback. In this case, the following message appears on the screen:

Still picture



If this screen appears, change the level as follows:
- **To change parental level and play, press the ENT button.**
- **To play without changing the parental level, press the ■ button.**
(When the ■ button is pressed, playback will be at the parental level set with “Setting Parental Lock.”)

Default Settings (SET UP)

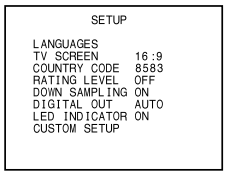


Changing the down sampling setting

Converts linear PCM (LPCM) voice signals recorded on the DVD disc to downsampling 48 kHz/16 bit digital signals and outputs them from the optical cable.

NOTE
When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.



NOTE
This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "DOWN SAMPLING", then press the **ENT** button**.**

3 Move the **Joystick** up and down to choose "ON" or "OFF" and, then press the **ENT** button**.**

ON
The digital signals recorded on the DVD disc with 96 kHz/24bit, 96 kHz/20bit, 96 kHz/16bit, 48 kHz/24bit, 48 kHz/20bit sampling are converted into digital signals with 48 kHz/16bits sampling for output from the optical cable.
Set to ON at time of shipment from factory.

OFF
The digital signals recorded on the DVD disc with 96 kHz/24bit, 96 kHz/20bit, 96 kHz/16bit, 48 kHz/24bit, 48 kHz/20bit sampling are not converted into digital signals with 48 kHz/16bits sampling. They are not output from the optical cable.

NOTE
Press the RTN button to return to the previous screen.

4 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

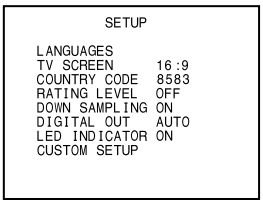
Changing the digital output setting

Use the following procedure to set the audio signal output from the DHA-S680.

NOTE

When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.



NOTE

This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "DIGITAL OUT", then press the **ENT** button**.**

3 Use the **Joystick** to make the selection, then press the **ENT** button**.**

AUTO

The digital output is switched automatically according to the type of audio signals being played.
Be sure to select "AUTO" when you want to connect a digital audio processor and play Dolby Digital audio. "AUTO" is selected upon shipment from the factory.

LPCM

The audio signals recorded on the disc are converted into 48 kHz/16 bit (for DVDs) or 44.1 kHz (for video CDs and CDs) linear PCM audio signals for output.

NOTE

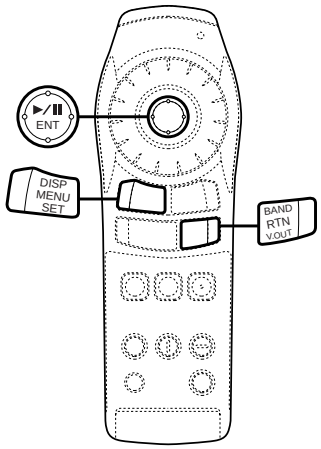
Press the RTN button to return to the previous screen.

4 Press the **SET** button for at least 2 seconds.
The set up are stored and the set up mode is canceled.

Audio output/Optical digital audio output

Disc	Audio recording format		Digital output setting	Down sampling setting	Optical digital audio output (when a digital audio processor is connected)	Analog audio output (Ai-NET, RCA output)
DVD	DTS		AUTO	ON	DTS	x
				OFF	DTS	x
			LPCM	ON	x	x
				OFF	x	x
	Dolby Digital		AUTO	ON	Dolby Digital	O
				OFF	Dolby Digital	O
			LPCM	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
	Linear PCM	48kHz/16bit	AUTO	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
			LPCM	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
		48kHz/20bit	AUTO	ON	LPCM (48kHz/16bit)	O
				OFF	x	O
			LPCM	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
		48kHz/24bit	AUTO	ON	LPCM (48kHz/16bit)	O
				OFF	x	O
			LPCM	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
		96kHz/16bit	AUTO	ON	LPCM (48kHz/16bit)	O
				OFF	x	O
			LPCM	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
		96kHz/20bit	AUTO	ON	LPCM (48kHz/16bit)	O
				OFF	x	O
			LPCM	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
		96kHz/24bit	AUTO	ON	LPCM (48kHz/16bit)	O
				OFF	x	O
			LPCM	ON	LPCM (48kHz/16bit)	O
				OFF	LPCM (48kHz/16bit)	O
	MPEG2		AUTO or LPCM	ON or OFF	LPCM (48kHz/16bit)	O
VIDEO CD	MPEG1		AUTO or LPCM	ON or OFF	LPCM (44.1kHz)	O
CD	Linear PCM		AUTO or LPCM	ON or OFF	LPCM (44.1kHz)	O
	DTS		AUTO	ON	DTS	x
				OFF	DTS	x
			LPCM	ON	x	x
				OFF	x	x

Default Settings (SET UP)

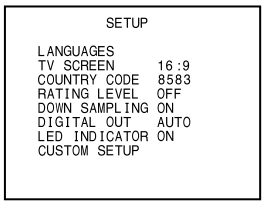


Changing the LED indicator setting

Use the following procedure to set whether or not the product's LED indicators are on or off.

NOTE
When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.



NOTE
This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "LED INDICATOR", then press the **ENT** button**.**

3 Use the **Joystick** to select the "ON" or "OFF", then press the **ENT** button.

ON

The LED indicators are lit, indicating the product's operating status. "ON" is selected upon shipment from the factory.

OFF

The LED indicators are turned off.
When "OFF" is set, the indicators do not light even when the power is on.

NOTE
Press the RTN button to return to the previous screen.

4 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

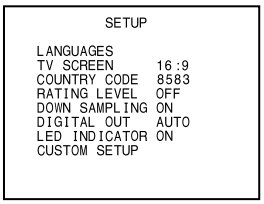
Custom setting – Changing the Closed Caption setting

DVD includes so-called “closed captions” which describe the scene to persons with impaired hearing. It is possible to turn the closed captions ON and OFF.

NOTE

When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle’s battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.

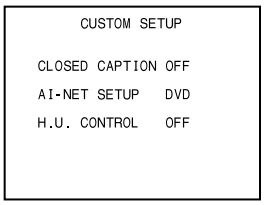


NOTE

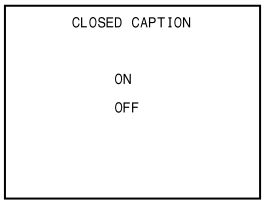
This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select “CUSTOM SETUP”, then press the **ENT** button**.**

3 Move the **Joystick** up and down to select “CLOSED CAPTION”, then press the **ENT** button.



4 Move the **Joystick** up and down to select “ON” or “OFF”, then press the **ENT** button.



ON

Displays the closed captions.

OFF

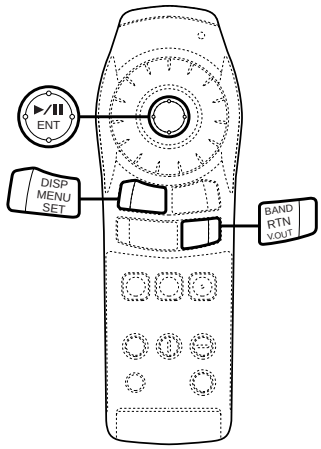
Does not display the closed captions.
Set to OFF at time of shipment from factory.

NOTES

- *A closed caption compatible monitor is required to display the closed captions.*
- *Please be aware that closed captions are different from titles.*
- *Press the RTN button to return to the previous screen.*

5 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

Default Settings (SET UP)



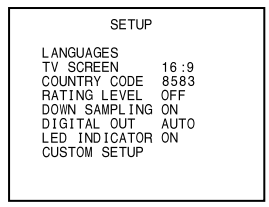
Custom setting – Changing the Ai-NET settings

The Ai-NET settings are used to output the sound of connected Ai-NET products.

NOTE

When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.

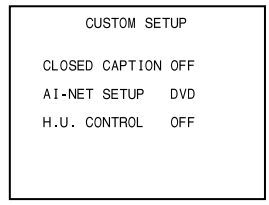


NOTE

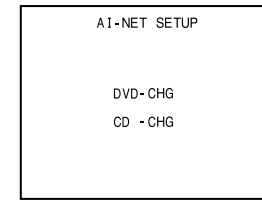
This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "CUSTOM SETUP", then press the **ENT** button**.**

3 Use the **Joystick** to select "Ai-NET SETUP", then press the **ENT** button.



4 Use the **Joystick** to select "DVD-CHG" or "CD-CHG", then press the **ENT** button.



DVD-CHG

When connection is made to the head unit (e.g., head units such as CDA-7990, CDA-7977, and CDA-7878 that support Ai-NET and were available after January 2001) or AV head unit (e.g., AV head units such as CVA-1006, CVA-1003, and IVA-C801 that support Ai-NET and were available after January 2001)
DVD-CHG is the factory setting.

CD-CHG

1. When connection is made to a head unit (excluding CDA-7990) that supports Ai-NET and was available prior to January 2001 or AV head unit (e.g., CVA-1005, CVA-1000, and IVA-C800).
   When the DVD-CHG setting is made with the aforementioned head units, identification of the DHA-S680 will no longer be possible and operation from the head unit will no longer be possible.
2. When the optional VERSATILE LINK TERMINAL (KCA-410C) is used and DHA-S680 is connected.

NOTES

- *Press the RTN button to return to the previous screen.*
- *If the Ai-NET setting is "CD-CHG" when used with the CVA-1006/CVA-1003/IVA-C801, operation from the main menu screen is not possible.*
- *If the Ai-NET setting is "DVD-CHG" when used with any Ai-NET compatible head unit other than the CVA-1006/CVA-1003/IVA-C801, volume is the only operation possible from the head unit.*
- *To call the DVD video by using the CVA-1005/CVA-1000/IVA-C800, switch the mode to "AUX" with the V. SEL button on the CVA-1005/CVA-1000/IVA-C800.*
- *When the Ai-NET setting is "CD-CHG", the operable functions and displays may differ depending on the Ai-NET compatible head unit connected.*

5 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

6 Turn off the vehicle's ignition, then turn it on again.

NOTES

When the DVD-CHG mode cannot be called at the CVA-1006/CVA-1003/IVA-C801 side

- *"DVD-CHG" is not displayed on the menu screen at the CVA-1006/CVA-1003/IVA-C801 side*

The cause of this is that the DHA-S680 Ai-NET setting is "CD-CHG."

Use the following method to change the setting.

1. *Press the CVA-1006/CVA-1003/IVA-C801 SOURCE switch and select CD-CHG from the menu.*
2. *Select "AUX1" with the V.SEL switch. This will display the DHA-S680 screen (when DHA-S680 is connected to AUX1).*
3. *Set the Ai-NET setting to "DVD-CHG" with the DHA-S680. See "Custom Setting – Changing the Ai-NET settings" (on Page 30).*
4. *Switch OFF the car's ignition switch, then switch it back ON again.*

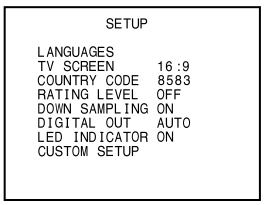
Custom setting – Changing the H.U. CONTROL settings

When connecting the equipment with an Ai-NET compatible head unit or an Ai-NET compatible AV-head unit, set the equipment so that it is possible to control from the head unit.

NOTE

When the settings are changed, the old settings are overwritten. Make a note of the current settings before making changes. The settings are not cleared even when the vehicle's battery is disconnected.

1 In the stop mode, press the **SET** button for at least 2 seconds.
The default setting menu appears.

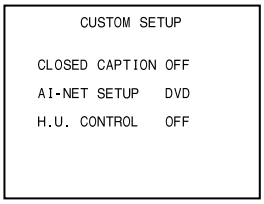


NOTE

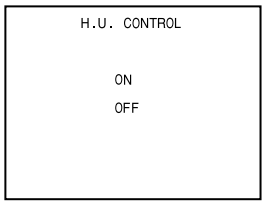
This operation cannot be performed in the PRE-STOP mode.

2 Use the **Joystick** to select "CUSTOM SETUP", then press the **ENT** button**.**

3 Move the **Joystick** up and down to select "H.U. CONTROL", then press the **ENT** button.



4 Move the **Joystick** up and down to select "ON" or "OFF", then press the **ENT** button.



ON

Set to "ON" with ALPINE Ai-NET system connected. Operations can be performed from the Ai-NET compatible head unit or Ai-NET compatible AV head unit.

OFF

Set to "OFF" without ALPINE Ai-NET system connected.

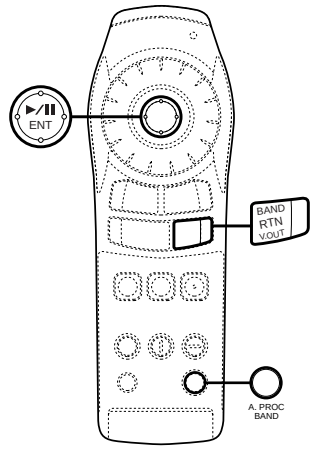
NOTE

Press the RTN button to return to the previous screen.

5 Press the **SET** button for at least 2 seconds.
The settings are stored and the set up mode is canceled.

6 Turn off the vehicle's ignition, then turn it on again.

Digital Audio Processor (Optional)



When used with a digital audio processor (PXA-H510/PXA-H900), operation is possible from the remote control unit included with the DHA-S680. Also refer to the PXA-H510/PXA-H900's operating instructions.

Adjusting the parametric equalizer (only when connected with PXA-H510)

Adjust the parametric equalizer's band frequency, band width and level.

1 During playback, press the **A.PROC** button. The setting menu appears.

```
AUDIO-PROCESSOR

PARAMETRIC-EQ
SURROUND
PRIVATE-MEMORY
TIME-CORRECTION
DOLBY SURROUND MODE
ADJUST
MODE
                    DEFEAT
```

2 Use the **Joystick** to select "PARAMETRIC-EQ", then press the **ENT** button.

3 Use the **Joystick** to select the band to be set, then press the **ENT** button.
The band whose frequency is indicated in yellow can be adjusted. The parametric equalizer's setting screen consists of two pages. Press the **BAND** button for at least 2 seconds to switch between pages 1 and 2.

```
PARAMETRIC EQUALIZER 1

          FREQ Q-FACT LV
FRNT1    1.0KHz  5.0  -5
FRNT2   12.5KHz  1.0  +5
FRNT3   20.0KHz  2.0   0
FRNT4   80.0 Hz  5.0  -5
CNTR1   12.5KHz  1.0  +5
CNTR2  200.0 Hz  2.0   0
```

```
PARAMETRIC EQUALIZER 2

          FREQ Q-FACT LV
REAR1   12.5KHz  1.0  +5
REAR2  200.0 Hz  2.0   0
REAR3    1. KHz  5.0  -5
REAR4   12.5KHz  1.0  +5
SUBW1   80.0 Hz  2.0   0
```

4 Use the **Joystick** to adjust the frequency, then press the **ENT** button.

5 Use the **Joystick** to select the band width (Q-FACT), then press the **ENT** button.

6 Use the **Joystick** to adjust the band width, then press the **ENT** button.

7 Use the **Joystick** to select the level (LV), then press the **ENT** button.

8 Use the **Joystick** to adjust the level, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

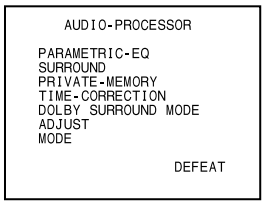
9 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

NOTE
When connected with PXA-H900, DHA-S680 cannot make parametric equalizer adjustment.

Adjusting the surround settings

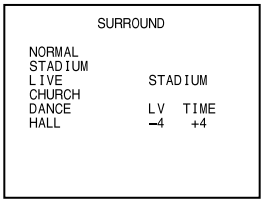
This adjustment is not possible when Dolby Digital or Pro Logic is turned on for the DHA-S680's audio output.

1 During playback, press the **A.PROC** button.
The setting menu appears.



2 Use the **Joystick** to select "SURROUND", then press the **ENT** button.

3 Use the **Joystick** to select the surround mode, then press the **ENT** button.
There are six surround modes.



4 Press the **ENT** button.
The level (LV) value turns yellow.

5 Use the **Joystick** to adjust the level (LV), then press the **ENT** button.

6 Use the **Joystick** to select the time (echo time), then press the **ENT** button.

7 Use the **Joystick** to adjust the time, then press the **ENT** button.

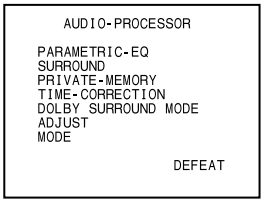
NOTE
Press the RTN button to return to the previous screen.

8 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

Storing the surround settings

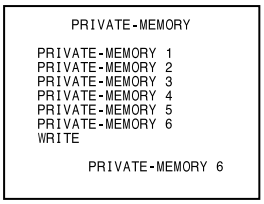
Six kinds of parametric EQ adjustment or setting contents can be memorized.

1 During playback, press the **A.PROC** button.
The setting menu appears.

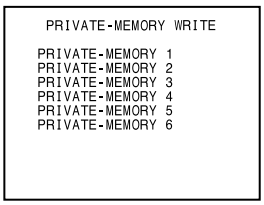


2 Use the **Joystick** to select "PRIVATE-MEMORY", then press the **ENT** button.

3 Use the **Joystick** to select "WRITE", then press the **ENT** button.



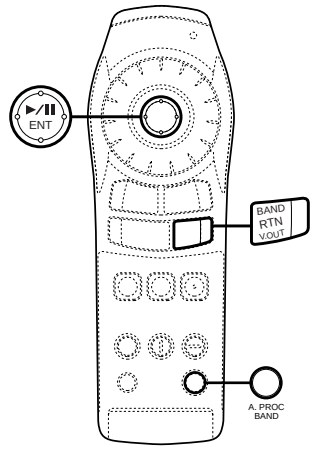
4 Use the **Joystick** to select the memory location at which you want to store the settings ("PRIVATE-MEMORY 1" to "PRIVATE-MEMORY 6"), then press the **ENT** button.



NOTE
Press the RTN button to return to the previous screen.

5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

Digital Audio Processor (Optional)



Recalling the surround settings

DVD Video CD CD

1 During playback, press the **A.PROC** button. The setting menu appears.

```
AUDIO-PROCESSOR

PARAMETRIC-EQ
SURROUND
PRIVATE-MEMORY
TIME-CORRECTION
DOLBY SURROUND MODE
ADJUST
MODE

                DEFEAT
```

2 Use the **Joystick** to select “SURROUND”, then press the **ENT** button.

3 Use the **Joystick** to select the memory location you want to recall (“PRIVATE-MEMORY 1” to “PRIVATE-MEMORY 6”), then press the **ENT** button.

```
PRIVATE-MEMORY

PRIVATE-MEMORY 1
PRIVATE-MEMORY 2
PRIVATE-MEMORY 3
PRIVATE-MEMORY 4
PRIVATE-MEMORY 5
PRIVATE-MEMORY 6
WRITE

      PRIVATE-MEMORY 6
```

NOTE
Press the RTN button to return to the previous screen.

4 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

Adjusting the time correction (only when connected with PXA-H510)

DVD Video CD CD

Eliminate time delays resulting from the distance between the listening position and the speakers.

1 During playback, press the **A.PROC** button. The setting menu appears.

```
AUDIO-PROCESSOR

PARAMETRIC-EQ
SURROUND
PRIVATE-MEMORY
TIME-CORRECTION
DOLBY SURROUND MODE
ADJUST
MODE

                DEFEAT
```

2 Use the **Joystick** to select “TIME-CORRECTION”, then press the **ENT** button.

3 Use the **Joystick** to select the speaker to be adjusted, then press the **ENT** button.

```
TIME-CORRECTION

                DELAY
FRONT L          0.0ms
FRONT R          5.5ms
REAR  L         10.0ms
REAR  R         15.5ms
SUB-W           20.0ms
```

4 Use the **Joystick** to adjust the time, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

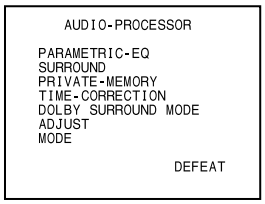
NOTE
When connected with PXA-H900, the DHA-S680 cannot make time correction adjustment.
(The adjustment menu is displayed.)

Using the Pro Logic mode

DVD Video CD CD

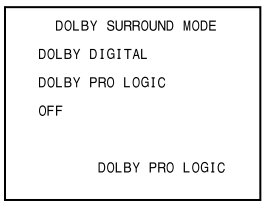
Switch between the Dolby Digital input and the Pro Logic input.

1 During playback, press the **A.PROC** button. The setting menu appears.



2 Use the **Joystick** to select “DOLBY SURROUND MODE”, then press the **ENT** button.

3 Use the **Joystick** to make the selection, then press the **ENT** button.



DOLBY DIGITAL

“DOLBY DIGITAL” is set automatically when the disc is Dolby Digital compatible and the DVD video player’s audio output setting is set to “AUTO”.

DOLBY PRO LOGIC

“DOLBY PRO LOGIC” or “OFF” can be selected when the disc is Dolby Pro Logic compatible and the DVD video player’s audio output setting is set to “LPCM”.
When “OFF” is selected, the surround settings cannot be adjusted.

NOTE
Press the RTN button to return to the previous screen.

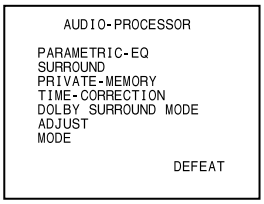
4 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

ADJUST – Setting the speaker mode

DVD Video CD CD

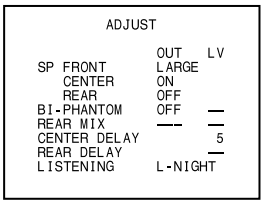
NOTE
This adjustment cannot be made when Dolby Pro Logic is set to “OFF”.

1 During playback, press the **A.PROC** button. The setting menu appears.



2 Use the **Joystick** to select “ADJUST”, then press the **ENT** button.

3 Use the **Joystick** to select the speaker to be set (“FRONT”, “CENTER” or “REAR”), then press the **ENT** button.



4 Use the **Joystick** to switch the mode.

FRONT

LARGE/SMALL

CENTER

OFF/LARGE/SMALL

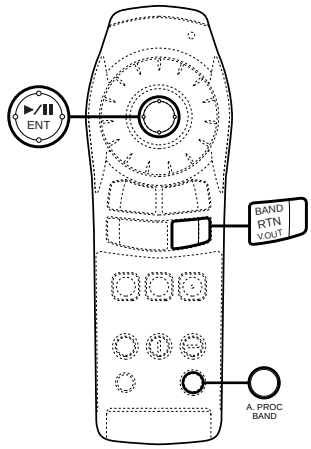
REAR

OFF/LARGE/SMALL

NOTE
Press the RTN button to return to the previous screen.

5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

Digital Audio Processor (Optional)



ADJUST – Adjusting the acoustic image

DVD Video CD CD

NOTE
This adjustment cannot be made when Dolby Pro Logic is set to "OFF".

1 During playback, press the **A.PROC** button. The setting menu appears.

```
AUDIO-PROCESSOR

PARAMETRIC-EQ
SURROUND
PRIVATE-MEMORY
TIME-CORRECTION
DOLBY SURROUND MODE
ADJUST
MODE

                DEFEAT
```

2 Use the **Joystick** to select "ADJUST", then press the **ENT** button.

3 Use the **Joystick** to select "BI-PHANTOM", then press the **ENT** button.

```
ADJUST

                OUT   LV
SP FRONT        LARGE
   CENTER       ON
   REAR         OFF
BI-PHANTOM      OFF   --
REAR MIX        ---   --
CENTER DELAY            5
REAR DELAY              --
LISTENING       L-NIGHT
```

4 Use the **Joystick** to select the mode ("ON" or "OFF"), then press the **ENT** button.

NOTE
The "BI-PHANTOM" setting is automatically set to "OFF" when the center speaker is set to "OFF".

5 Use the **Joystick** to select the level item, then press the **ENT** button.

6 Use the **Joystick** to adjust the level, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

7 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

ADJUST – Mixing the rear audio channels

DVD Video CD CD

Use this function to mix the audio signals for the front to those output from the rear speakers.

1 During playback, press the **A.PROC** button. The setting menu appears.

```
AUDIO-PROCESSOR

PARAMETRIC-EQ
SURROUND
PRIVATE-MEMORY
TIME-CORRECTION
DOLBY SURROUND MODE
ADJUST
MODE

                DEFEAT
```

2 Use the **Joystick** to select "ADJUST", then press the **ENT** button.

3 Use the **Joystick** to select "REAR MIX", then press the **ENT** button.

```
ADJUST

                OUT   LV
SP FRONT        LARGE
   CENTER       ON
   REAR         OFF
BI-PHANTOM      OFF   --
REAR MIX        ---   --
CENTER DELAY            5
REAR DELAY              --
LISTENING       L-NIGHT
```

4 Use the **Joystick** to select the mode ("ON" or "OFF"), press the **ENT** button.

NOTE
The "REAR MIX" setting is automatically set to "OFF" when the rear speaker is set to "OFF".

5 Use the **Joystick** to select the level item, then press the **ENT** button.

6 Use the **Joystick** to adjust the level, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

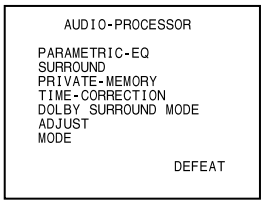
7 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

ADJUST – Center speaker time compensation

DVD Video CD CD

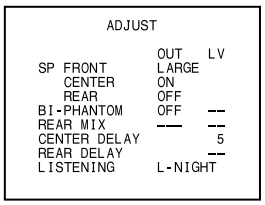
NOTE
Compensation is not possible when the center speaker is set to "OFF".

1 During playback, press the **A.PROC** button. The setting menu appears.



2 Use the **Joystick** to select "ADJUST", then press the **ENT** button.

3 Use the **Joystick** to select "CENTER DELAY", then press the **ENT** button.



4 Use the **Joystick** to adjust the level, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

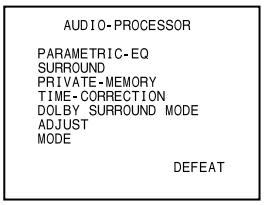
5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

ADJUST – Rear speaker time compensation

DVD Video CD CD

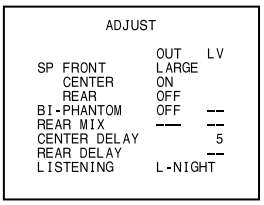
NOTE
Compensation is not possible when the rear speakers are set to "OFF".

1 During playback, press the **A.PROC** button. The setting menu appears.



2 Use the **Joystick** to select "ADJUST", then press the **ENT** button.

3 Use the **Joystick** to select "REAR DELAY", then press the **ENT** button.

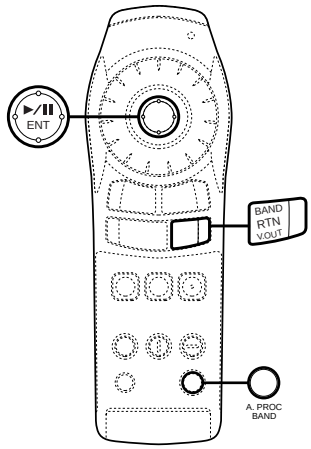


4 Use the **Joystick** to adjust the level, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

Digital Audio Processor (Optional)



ADJUST – Achieving powerful sound at low volumes

DVD Video CD CD

NOTE
This setting is only possible with Dolby Digital outputs.

1 During playback, press the **A.PROC** button.
The setting menu appears.

```
AUDIO-PROCESSOR

PARAMETRIC-EQ
SURROUND
PRIVATE-MEMORY
TIME-CORRECTION
DOLBY SURROUND MODE
ADJUST
MODE

                DEFEAT
```

2 Use the **Joystick** to select “ADJUST”, then press the **ENT** button.

3 Use the **Joystick** to select “LISTENING”, then press the **ENT** button.

```
ADJUST

                OUT   LV
SP FRONT        LARGE
   CENTER       ON
   REAR         OFF
BI-PHANTOM      OFF    —
REAR MIX        ——     —
CENTER DELAY           5
REAR DELAY             —
LISTENING       L-NIGHT
```

4 Use the **Joystick** to select the mode.

L-NIGHT
For powerful sound at low volumes (to compensate for high levels of background noise such as road noise)

STANDARD
For more powerful sound at regular volumes

MAXIMUM
For the regular sound

NOTE
Press the RTN button to return to the previous screen.

5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

ADJUST – Adjusting the speaker level

DVD Video CD CD

1 During playback, press the **A.PROC** button.
The setting menu appears.

2 Use the **Joystick** to select “ADJUST”, then press the **ENT** button.

```
AUDIO-PROCESSOR

PARAMETRIC-EQ
SURROUND
PRIVATE-MEMORY
TIME-CORRECTION
DOLBY SURROUND MODE
ADJUST
MODE

                DEFEAT
```

3 Press the **BAND** button for at least 2 seconds to switch the “ADJUST” screen.

```
ADJUST

                OUTPUT
TEST TONE         ON

          LV
FRONT L  -10  FL  C  FR
CENTER   +10  ⏃  ⏃  ⏃
FRONT R    0
REAR R   +10  ⏁     ⏁
REAR L     0  RL    RR
```

4 Use the **Joystick** to select “TEST TONE”, then press the **ENT** button.

5 Use the **Joystick** to select “ON”, then press the **ENT** button.
Test tones are produced for two seconds from each speaker.

NOTE
Test tones are not produced from the center and rear speakers when these speakers are set to “OFF”.

6 Use the **Joystick** to select the speaker, then press the **ENT** button.
Adjust so that the volume level from the different speakers is the same.

7 Use the **Joystick** to adjust the level, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

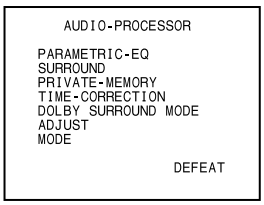
8 Once the levels of all the speakers have been adjusted, either set “TEST TONE” to “OFF” or press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

MODE – Adjusting the volume, fader and balance

DVD Video CD CD

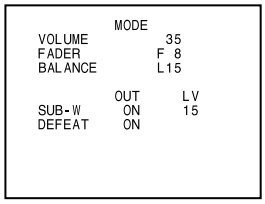
When a head unit is connected using Ai-NET connections, adjust the volume, fader and balance from the head unit.

1 During playback, press the **A.PROC** button. The setting menu appears.



2 Use the **Joystick** to select “MODE”, then press the **ENT** button.

3 Use the **Joystick** to select the item to be adjusted, then press the **ENT** button.



4 Use the **Joystick** to adjust.

NOTE
Press the RTN button to return to the previous screen.

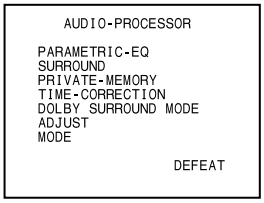
5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

MODE – Adjusting the subwoofer

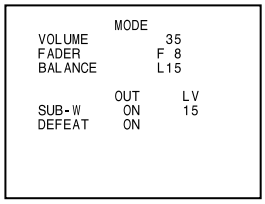
DVD Video CD CD

1 During playback, press the **A.PROC** button. The setting menu appears.

2 Use the **Joystick** to select “MODE”, then press the **ENT** button.



3 Use the **Joystick** to select “SUB-W”, then press the **ENT** button.



4 Use the **Joystick** to select the mode (“ON” or “OFF”), then press the **ENT** button.

NOTE
The subwoofer cannot be adjusted when set to “OFF”.

5 Use the **Joystick** to select the level item, then press the **ENT** button.

6 Use the **Joystick** to adjust the level, then press the **ENT** button.

NOTE
Press the RTN button to return to the previous screen.

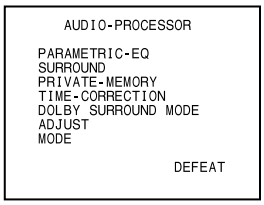
7 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

MODE – Turning the defeat function on and off

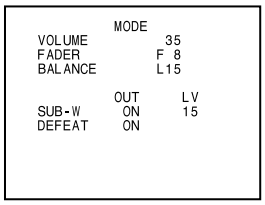
DVD Video CD CD

1 During playback, press the **A.PROC** button. The setting menu appears.

2 Use the **Joystick** to select “MODE”, then press the **ENT** button.



3 Use the **Joystick** to select “DEFEAT”, then press the **ENT** button.

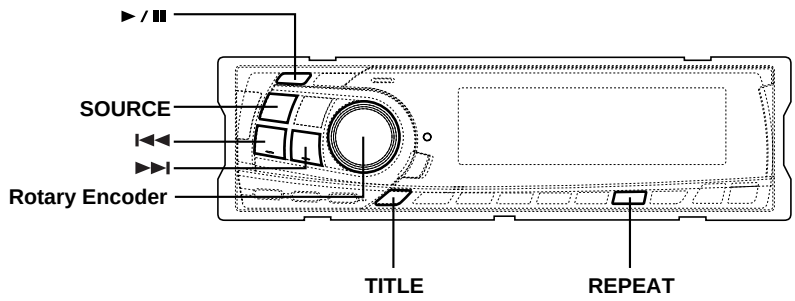


4 Use the **Joystick** to select the mode (“ON” or “OFF”), press the **ENT** button.
ON : The response is flat.
OFF : Off

NOTES
- *When “DEFEAT” is set to “ON”, the “PARAMETRIC-EQ”, “SURROUND”, “PRIVATE-MEMORY” and “TIME-CORRECTION” settings cannot be adjusted.*
- *Press the RTN button to return to the previous screen.*

5 Press the **A.PROC** button to close the digital audio processor screen and return to the playback screen.

Other Useful Features



CDA-7977
(Head unit)

Operating from the head unit

The DHA-S680 can also be operated from the ALPINE Ai-NET compatible head unit.
Refer to the manual of the head unit.
Note that some of the functions cannot be operated from the DHA-S680.

Functions operable from the head unit

Switch	Operation
SOURCE	Switches the audio source. Turns the DVD player's power ON in the changer mode. Turns OFF in a mode other than main changer.
TITLE	Switches the display pattern or the head unit. / Sets the title input mode.
REPEAT	DVD: Repeat switching Video CD/CD: Repeat switching
►►I	Starts playback from the beginning of the following chapter/track. When pressed and held in, fast-forwards the disc.
I◄◄	Starts playback from the beginning of the current chapter/track. When pressed and held in, fast-reverses the disc.
►/II	Switches between play and pause.
Rotary Encoder	Adjust the volume.

Playing DVDs, video CDs and CDs

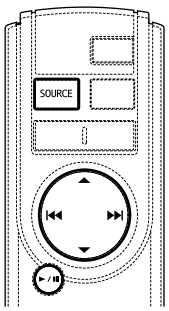
1 Press the **SOURCE** button and select the changer mode.

Changer mode:
The power of the DHA-S680 turns ON and playback starts automatically.
Other modes:
The power of the DHA-S680 turns OFF automatically.

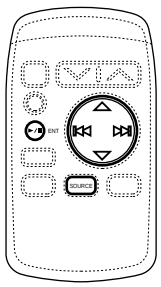
2 To set the pause mode, press the ►/II button.
Press the ►/II button again to resume playback.

NOTES

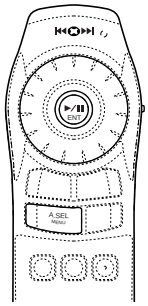
- *For video CDs with playback control (PBC), turn PBC off.*
- *Titles can be input for video CDs and CDs. For details, refer to the operating instructions of the connected head unit (only when "Ai-NET setting" of DHA-S680 is set to CD-CHG mode).*
- *The disc name, track name, and other information can be displayed on the display of the head unit for music CDs that support CD text. This can only be used with alphanumeric text (only when "Ai-NET setting" of DHA-S680 is set to CD-CHG mode). See the instruction manual of the head unit side for further details.*
  The information cannot be displayed on TV monitors.
- *SCAN and M.I.X. play for CDs and video CDs cannot be performed.*



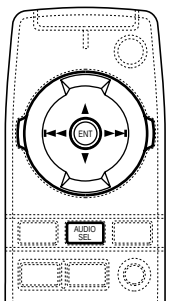
RUE-4187



RUE-4185



RUE-4165



RUE-4160

Operating from the head unit's remote control unit

The DHA-S680 can be operated from the remote control unit included with the head unit.

Remote control operations

Operation \ Remote Control unit		RUE-4187	RUE-4185	RUE-4165	RUE-4160
P10	Power on/off	SOURCE	SOURCE	A.SEL	AUDIO SEL
P11	Selecting the disc	▲ ▼	△ ▽	**Tilt the joystick in up or down direction.**	▲ ▼
P13	Fast-forward/fast-reverse	⏮ ⏭ (Press and hold)	⏮ ⏭ (Press and hold)	**Tilt and hold the joystick in left or right direction.**	⏮ ⏭ (Press and hold)
P14	Still picture (pause)	►/II	►/II	►/II	ENT
P14	Chapter/track search	⏮ ⏭	⏮ ⏭	**Tilt the joystick in left or right direction.**	⏮ ⏭

NOTES

- *There may be restrictions to some of the functions and displays depending on the Ai-NET compatible product (head unit/remote control unit) being used.*
- *For adjusting the volume and other basic operations, refer to the head unit's operating instructions.*
- *For video CDs with playback control (PBC), turn PBC off.*
- *If the remote control unit is not included in the head unit, optional remote control is necessary.*

⚠Warning **DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.**

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

Installation and Connections

Before installing or connecting the unit, please read the following and pages 2 and 3 of this manual thoroughly for proper use.

⚠ Warning

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

⚠ Caution

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

Precautions

- Be sure to disconnect the cable from the (–) battery post before installing your DHA-S680. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage the vehicle's electrical system.
- When making connections to the car's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the DHA-S680 to the fuse box, make sure the fuse for the intended circuit of the DHA-S680 has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your ALPINE dealer.

IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number plate is located on the bottom of the unit.

SERIAL NUMBER: _____

INSTALLATION DATE: _____

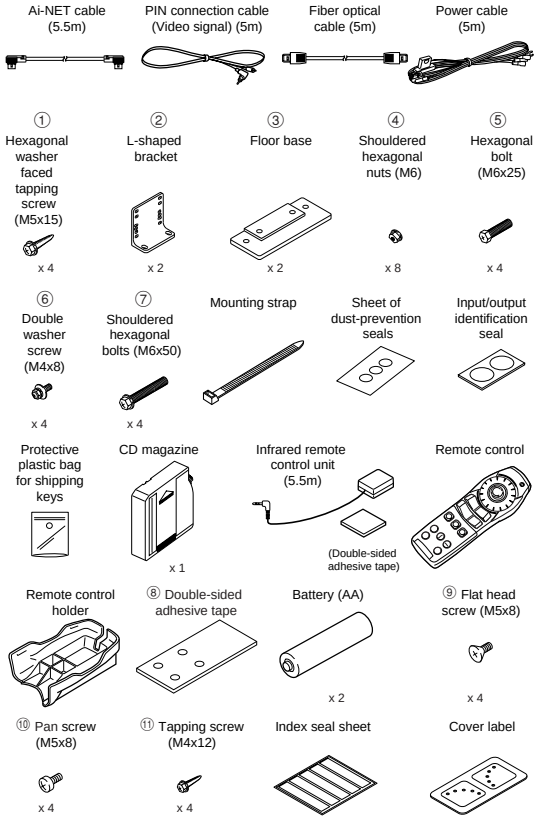
INSTALLATION TECHNICIAN: _____

PLACE OF PURCHASE: _____

Preparation

1 Park the vehicle in a flat, safe place. Apply the parking brake, then remove the ignition key.

2 Check the included parts and organize the tools and installation instructions.



3 Disconnect the battery's minus terminal.

Connecting

1 Connect as described on the basic connection diagram on page 47.

- These instructions also include examples of connections with other products. (See page 50 to 57.)
- Check which combination of products you will be using and proceed accordingly.

2 Check that all connections are correct.

3 Connect the battery's minus terminal.

4 When the DHA-S680 is connected with an Alpine Ai-NET products (AV head unit, regular head unit, etc.), the DHA-S680's system settings (Ai-NET setting and H.U. Control setting) must be made. Before fastening the product in place, be sure to change the system settings as described on page 48.

5 Turn off the DHA-S680's power.

6 Remove the ignition key and disconnect the battery's minus terminal.

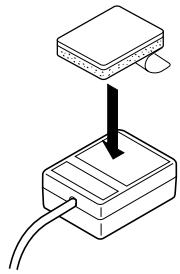
Mounting

Mounting the remote control sensor unit

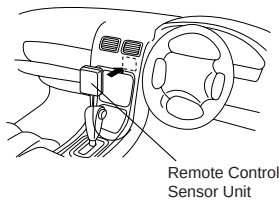
NOTES

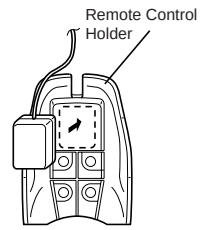
- *When using a monitor with a built-in remote control sensor, such as the CVA-1006, the external sensor is not used.*
- *When mounting the unit with double-sided adhesive tape, make sure the mounting surface is dry and free from dirt or grease.*

1 Press the double-sided adhesive tape onto the back of the remote control sensor unit.



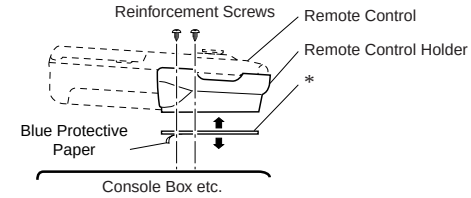
2 Before completing the sensor mounting, make sure the location selected is within the operating range of the remote control. Peel off the backing of the adhesive tape and press the sensor onto the selected mounting location, or inside of the remote control holder.





3 Mounting the remote control holder

- If the remote control is in direct sunlight, remove it from the holder and keep it in the glove box.
- When the holder cannot be mounted securely with Velcro tape, mount it by using screws.



* Velcro tape (Before putting on the holder, clean dirt on the mounting location.)

Installation

Caution

Be careful that the vehicle's cords do not touch the DHA-S680.

If the cords are in contact with the DHA-S680, their sheaths may be damaged due to vibrations generated while the vehicle is running, resulting in short-circuits. Leave enough space when routing wires to prevent contact between the vehicle's wires and the DHA-S680.

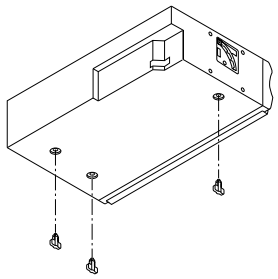
NOTES

To prevent external noise from entering the audio system.

- *Locate the unit and route the leads at least 10 cm away from the car harness.*
- *Keep the battery power leads as far away from other leads as possible.*
- *Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.*
- *If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors. Contact them for further information.*
- *Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.*

1 Remove the shipping keys.

Three keys are mounted to the DHA-S680's bottom panel to protect the product during transportation. Be sure to remove these keys before installing the DHA-S680. So as not to loose the keys, store them in the special plastic pouch provided with the DHA-S680 and cover the key holes with the included dust-prevention seals.

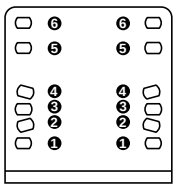


NOTE

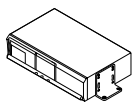
The eject operation cannot be performed if the keys are mounted when the power is turned on. Turn the power off, then remove the keys.

2 Install the L-shaped bracket.

1 Determine the position and angle of installation.
2 Referring to step 3, change the position of the springs according to the angle of installation.
3 Install the L-shaped bracket ② according to the angle of installation. Fasten it in place using the double washer screws (M4x8) ⑥.



L-shaped bracket holes

Vertical	Horizontal
Use one of each of holes ❸ and ❻, and fasten the two screws diagonally.	Use one of each of holes ❶ and ❻, and fasten the two screws diagonally.
	

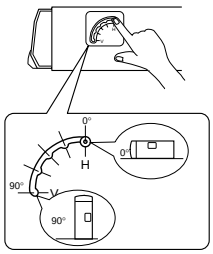
NOTE

The DHA-S680 should only be installed at a horizontal or vertical angle. Installing it at a slant may result in damage.

3 Change the position of the springs.

With this product, the positions of the built-in anti-vibration springs must be changed according to the angle of installation. The product will not provide the regular resistance to vibration if the anti-vibration springs are not in the correct positions or if the left and right springs are in different positions.
The anti-vibration springs can be placed at one of five angles, but the DHA-S680 must be placed at either the "H" (horizontal) or "V" (vertical) angle.
The springs are set to the "H" angle upon shipment from the factory. To change this angle, follow the instructions given below.

1 Change the position of the springs using a finger.
2 Stick on the left and right side surface cover labels.
Be sure to apply the cover labels after setting the position of the springs so as to protect the interior of the product from dust or dirt which may cause malfunction.
3 Check the position of the springs. Make a final check of the position of the springs using the five small holes in the left and right side surface cover labels.



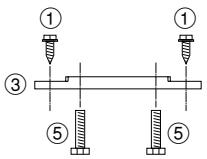
NOTE

The DHA-S680 should only be installed at the horizontal or vertical angle. Installing it at a slant may result in damage.

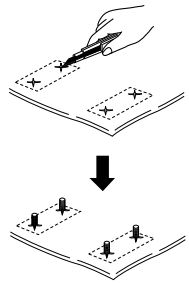
• Floor base installation

1 Determine the position under the carpet at which the unit is to be installed.

2 Insert the hexagonal bolts (M6x25) ⑤ into the floor base ③, then mount directly on the floor using the hexagonal washer faced tapping screws (M5x15) ①.

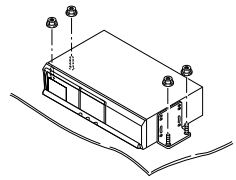


3 Make X-shaped cuts in the carpet.



4 Install on top of the carpet using the hexagonal washer faced nuts (M6) ④.

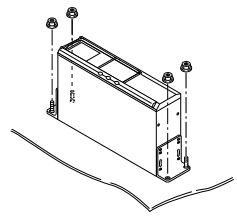
Horizontal installation



NOTE

When installing horizontally, make sure that the DVD magazine's slot is on the left side.

Vertical installation



NOTES

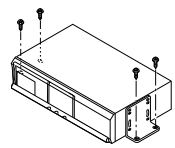
- *When installing vertically, make sure that the DVD magazine's slot is on the top side.*
- *When installing vertically and using an audio RCA cable, always use an L shaped connector. Using a straight shaped connector could damage the connector and cause a malfunction.*

• Installing directly on the floor

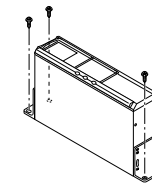
WARNING

Do not damage pipe or wiring when drilling holes.

1 To install horizontally, attach to the floor using the hexagonal washer faced tapping screws (M5x15) ①.



2 To install vertically, attach to the floor using the hexagonal washer faced tapping screws (M5x15) ①.



NOTE

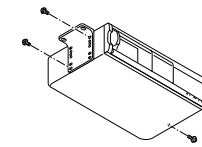
When installing vertically and using an audio RCA cable, always use an L shaped connector. Using a straight shaped connector could damage the connector and cause a malfunction.

• Suspension from the Rear Tray

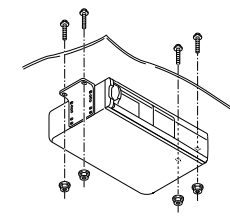
WARNING

Do not damage pipe or wiring when drilling holes.

1 Fasten the L-shaped brackets ② to both sides of this unit.



2 Drill holes about 6mm in diameter and fasten securely with shouldered hexagonal bolts (M6x50) ⑦ and shouldered hexagonal nuts (M6) ④.

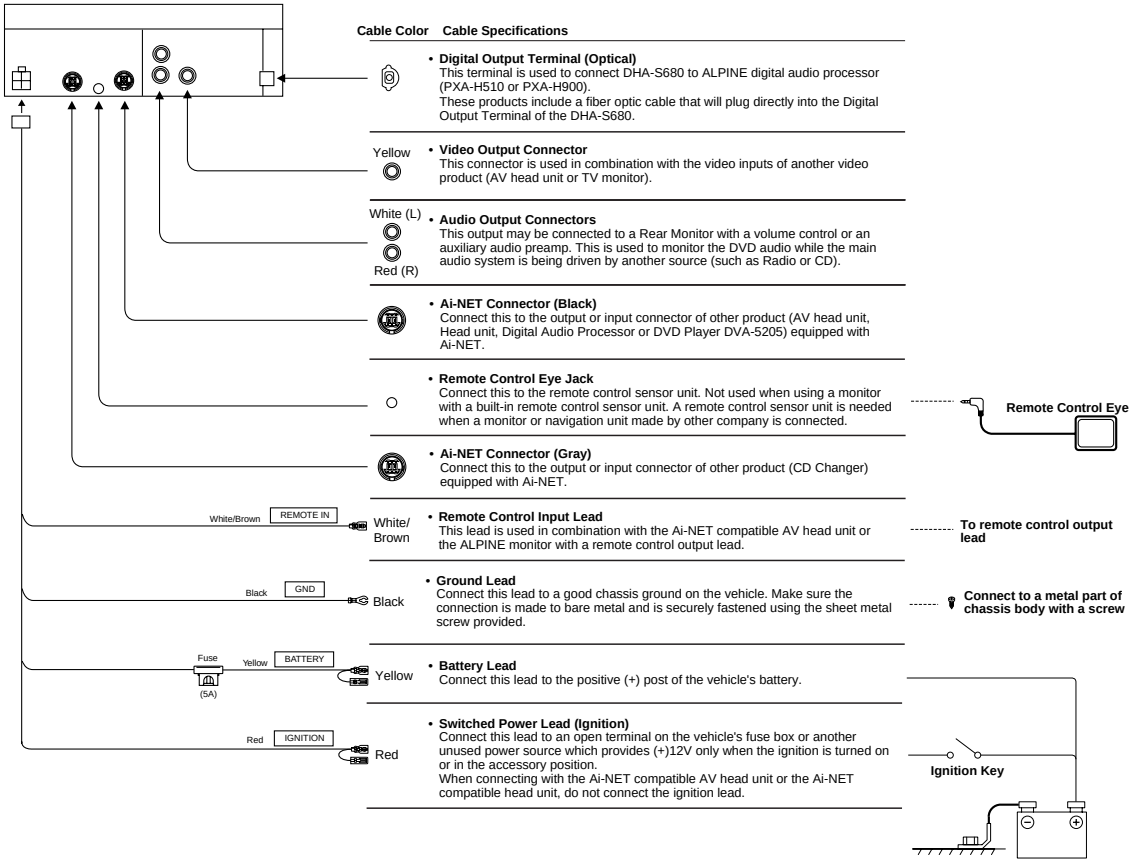


Check

1 Turn the ignition key on and check that the unit is operating properly, referring to the operating instructions.

2 Check that the vehicle's equipment (horn, stop lights, etc.) are operating properly.

Connections


Cable Color
Cable Specifications
• Digital Output Terminal (Optical)
This terminal is used to connect DHA-S680 to ALPINE digital audio processor (PXA-H510 or PXA-H900).
These products include a fiber optic cable that will plug directly into the Digital Output Terminal of the DHA-S680.
Yellow
• Video Output Connector
This connector is used in combination with the video inputs of another video product (AV head unit or TV monitor).
White (L)
Red (R)
• Audio Output Connectors
This output may be connected to a Rear Monitor with a volume control or an auxiliary audio preamp. This is used to monitor the DVD audio while the main audio system is being driven by another source (such as Radio or CD).
• Ai-NET Connector (Black)
Connect this to the output or input connector of other product (AV head unit, Head unit, Digital Audio Processor or DVD Player DVA-5205) equipped with Ai-NET.
• Remote Control Eye Jack
Connect this to the remote control sensor unit. Not used when using a monitor with a built-in remote control sensor unit. A remote control sensor unit is needed when a monitor or navigation unit made by other company is connected.
Remote Control Eye
• Ai-NET Connector (Gray)
Connect this to the output or input connector of other product (CD Changer) equipped with Ai-NET.
White/Brown
REMOTE IN
White/ Brown
• Remote Control Input Lead
This lead is used in combination with the Ai-NET compatible AV head unit or the ALPINE monitor with a remote control output lead.
To remote control output lead
Black
GND
Black
• Ground Lead
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
Connect to a metal part of chassis body with a screw
Fuse
(5A)
Yellow
BATTERY
Yellow
• Battery Lead
Connect this lead to the positive (+) post of the vehicle's battery.
Red
IGNITION
Red
• Switched Power Lead (Ignition)
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.
When connecting with the Ai-NET compatible AV head unit or the Ai-NET compatible head unit, do not connect the ignition lead.
Ignition Key

NOTES

- *Connect properly.*
  Never connect to parts other than the ones indicated in these operating instructions.
- *Also refer to the operating instructions of the other products in the system.*

Installation and Connections

Changing the System Settings

When the DHA-S680 is connected to an Alpine AV head unit or a regular Alpine head unit, its system settings must be made. Be sure to change the system settings before fastening the DHA-S680 in place.

• Turning on the power

Depending on the system components, the DHA-S680's may not turn on. If so, use the procedure described below to turn on the power.

1 Connect the remote control sensor unit to the DHA-S680.
Remote control operation is not possible unless the remote control sensor unit is connected.

2 Press the **V.OUT** button on the remote control unit for at least 2 seconds to turn the power on.

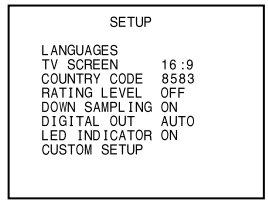
3 Display the DHA-S680's screen on the monitor. When using an AV head unit, switch with the **V.SEL** button. When using a TV monitor, switch with the **AUX** button.

This completes preparations for making the settings. Now change the Ai-NET setting and H.U. Control setting as described below. Do not insert discs yet.

• Making the Ai-NET setting

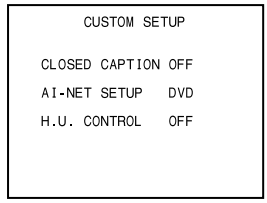
Make the setting for signal transfer with the connected Ai-NET products.

4 Press the **SET** button on the remote control unit for at least 2 seconds.
The initial setting menu appears.

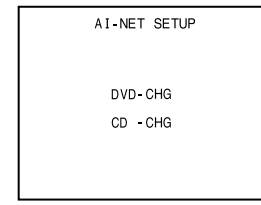


5 Select "CUSTOM SETUP" using the **Joystick**, then press the **ENT** button.

6 Select "Ai-NET SETUP" using the **Joystick**, then press the **ENT** button.



7 Select "DVD-CHG" or "CD-CHG" using the **Joystick**, then press the **ENT** button.



- Set to "DVD-CHG" in the following cases:
  When connection is made to the head unit (e.g., CDA-7990/CDA-7977/CDA-7878 which support Ai-NET and were available after January 2001) or AV head unit (e.g., CVA-1006/CVA-1003/IVA-C801 which support Ai-NET and were available after January 2001). DVD-CHG is the factory setting.

- Set to "CD-CHG" in the following cases:
  ① When connection is made to a head unit (excluding CDA-7990) which supports Ai-NET and was available prior to January 2001 or AV head unit (e.g., CVA-1005, CVA-1000, and IVA-C800)
  When the DVD-CHG setting is made with the aforementioned head units, identification of the DHA-S680 will no longer be possible and operation from the head unit will no longer be possible.

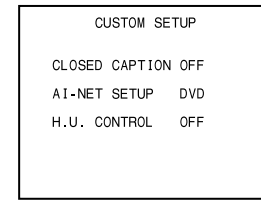
  ② When the DHA-S680 is connected using the KCA-410C Versatile Link Terminal.

Next make the "H.U. CONTROL" setting.

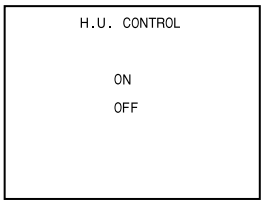
• Making the "H.U. CONTROL" setting

When the DHA-S680 is connected to an Ai-NET compatible head unit or an Ai-NET compatible AV head unit, make the following setting so the DHA-S680 can be operated from the head unit.

8 Select "H.U. CONTROL SETUP" using the **Joystick**, then press the **ENT** button.



9 Select “ON” or “OFF” using the **Joystick**, then press the **ENT** button.



- Set to “ON” in the following cases:
  When the DHA-S680 is connected to an Ai-NET compatible head unit or an Ai-NET compatible AV head unit.
  In this case, if set to “OFF” the DHA-S680 cannot be controlled from the head unit, and the sound of external products (CD changer, etc.) cannot be heard.
  “ON” is set upon shipment from the factory.

- Set to “OFF” in the following cases:
  When using a head unit that is not Ai-NET compatible or another brand of head unit.

10 Press the **SET** button for at least 2 seconds.
The settings are stored in the memory and the setting mode is canceled.

11 Press the **V.OUT** button on the remote control unit for at least 2 seconds to turn the power off.
Disconnect the remote control sensor unit.

NOTE
When not connecting an Ai-NET compatible head unit, do not disconnect the Remote Control Sensor Unit.

12 Turn the vehicle’s ignition key off, then turn it back on.

13 Switch the head unit’s source to check that the DHA-S680’s power turns on. Insert a disc and check that the picture and sound are properly output.
If the power does not turn on, start the setting procedure over from the beginning.

Examples of System Upgrades

Precautions when Making System Upgrades

- After connections are completed, it will be necessary to change the system settings of the DHA-S680. Before installing the product, please see page 48 and change the settings.

- When connecting the DHA-S680 to a head unit or AV head unit, do not connect the switched power lead (ignition).

- When connecting the optical digital output to an ALPINE digital audio processor (such as the PXA-H510 and PXA-H900), be sure to make connection to the CHANGER connectors of the digital audio processor optical digital input connectors.
  This arrangement allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects even when connection is made to the CHANGER connectors.

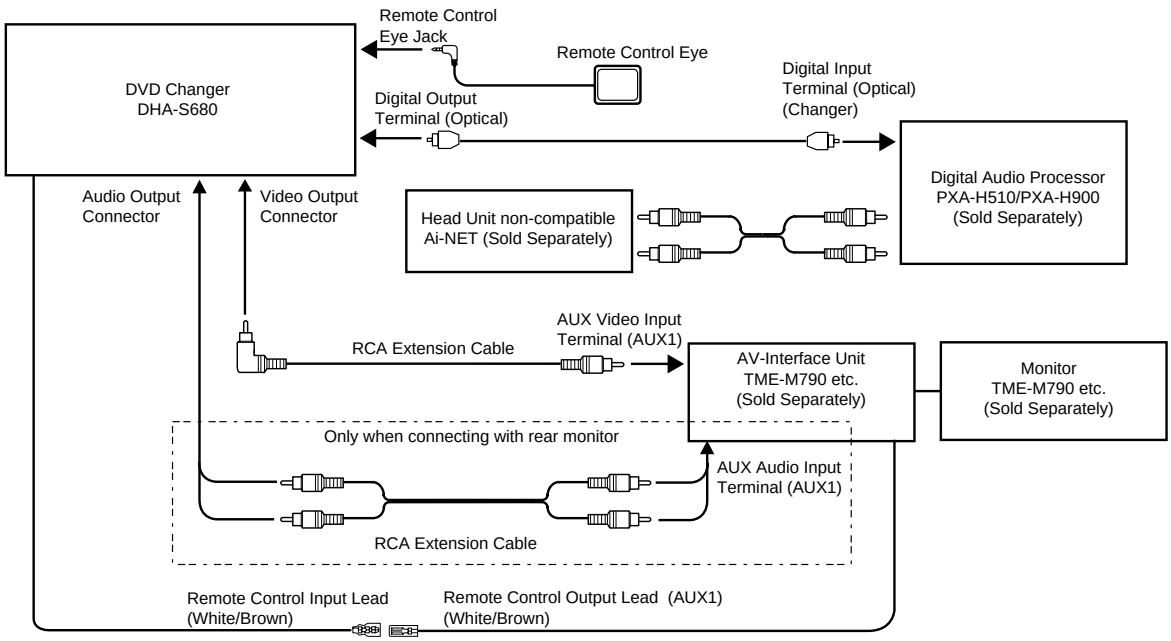
- When using the Alpine Versatile Link Terminal (KCA-410C) and connecting the DHA-S680, connect the DHA-S680 Ai-NET cable to the CHANGER1 connector of the KCA-410C.
  Also note that when using the KCA-410C and making connections, system setting changes of the DHA-S680 will be required before connecting the KCA-410C. See page 48 and make the settings.

- When combining the DHA-S680 and the CD changer (CHA-S624), the optical digital output of the CHA-S624 cannot be used.

- When connecting the DHA-S680, the Alpine TV monitor, and the AV head unit, be sure to connect the mutual remote control input cable (white/brown). Failing to do so will result in a loss of remote control operation.
  When making connections to another brand of TV monitor, please use the supplied remote control sensor unit.

Installation and Connections

• Connecting an non Ai-NET compatible Head Unit, Digital Audio Processor (PXA-H510/PXA-H900) and TV Monitor



Setting of DHA-S680

The DHA-S680's system settings must be made after connections are completed.

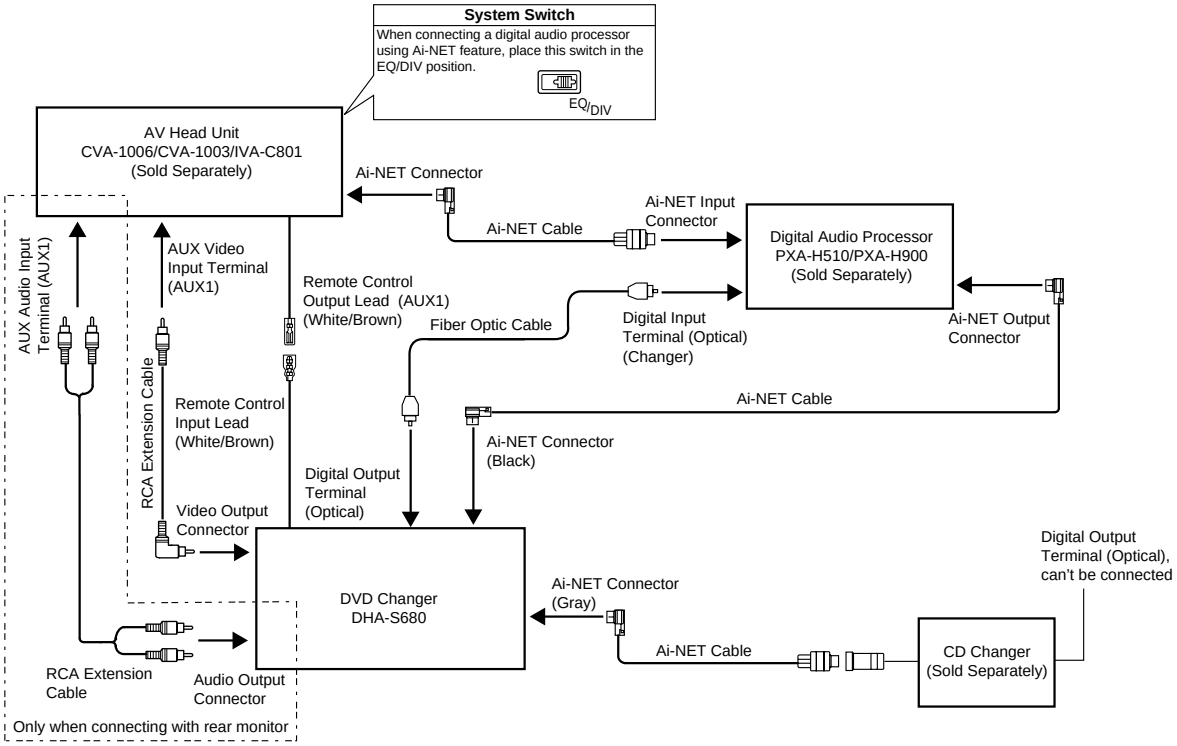
Setting Item	Setting
Ai-NET setting	CD-CHG
H.U.CONTROL setting	OFF

Before fixing the unit in place, refer to page 48 to change the system setting.

NOTES

- *When using in a system with a head unit that is not Ai-NET compatible and a digital audio processor, only connect the DHA-S680 and digital audio processor using an optical fiber cable. Do not connect an Ai-NET output cable, or it will not be possible to control the digital audio processor from the DHA-S680.*
- *When connecting only to a digital audio processor (not to a head unit that is not Ai-NET compatible), it is possible to use both an optical fiber cable and an Ai-NET output cable. In this case the digital audio processor can be controlled from the DHA-S680.*
- *When connecting another brand of TV monitor, there is no need to connect the remote control input cord (white/brown). Use the remote control sensor unit included with the DHA-S680.*
- *Be sure to connect the switched Power Lead (Ignition).*
- *Also refer to the operating instructions of the other products in the system.*

• Connecting an Ai-NET compatible AV Head Unit (AV Head Units available after January 2001: CVA-1006/CVA-1003/IVA-C801 etc.), and Digital Audio Processor (PXA-H510/PXA-H900)



Setting of DHA-S680

The DHA-S680's system settings must be made after connections are completed.

Setting Item	Setting
Ai-NET setting	DVD-CHG
H.U.CONTROL setting	ON

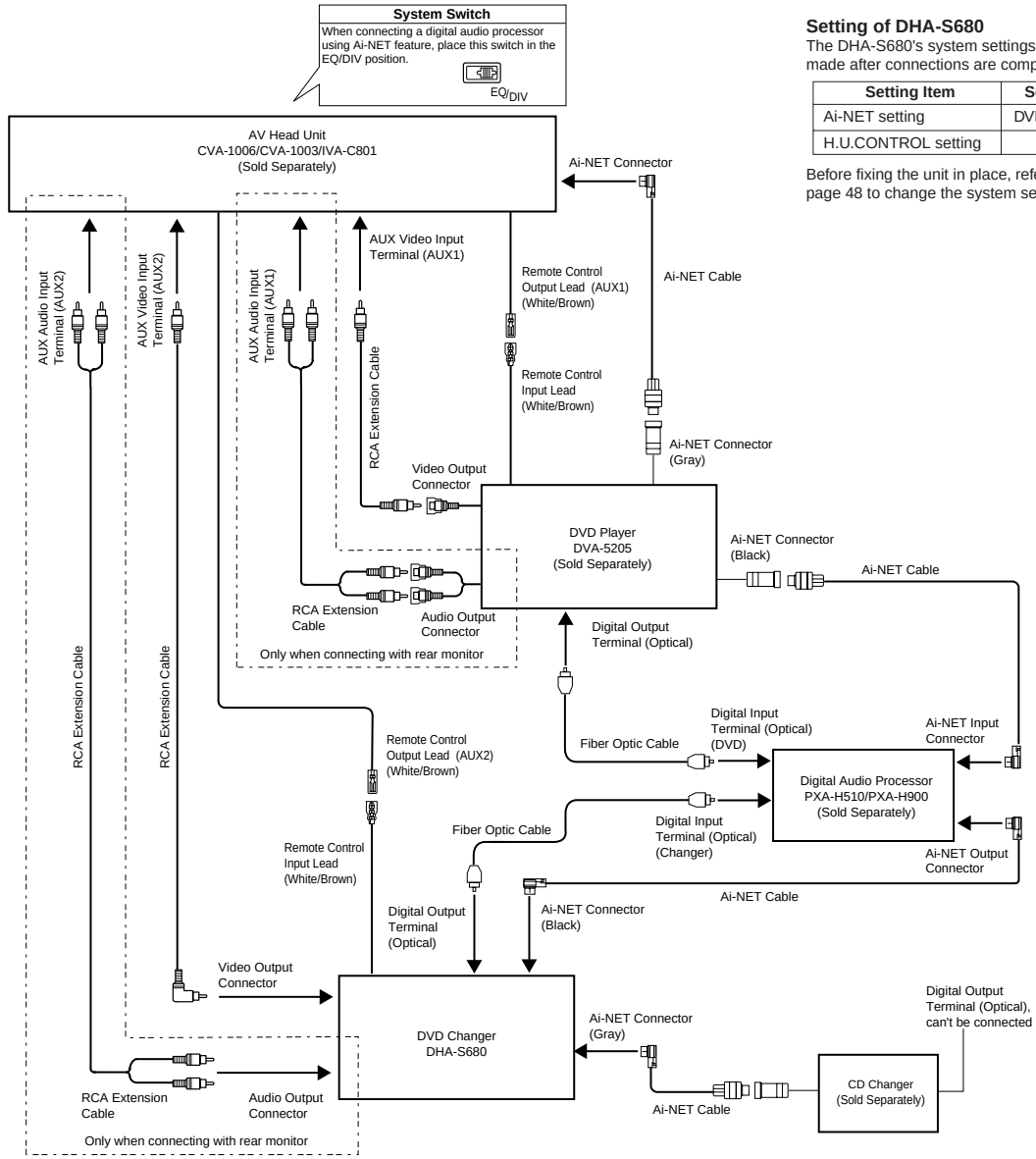
Before fixing the unit in place, refer to page 48 to change the system setting.

NOTES

- *Be sure to switch the head unit's system switch before turning the power on.*
- *Be sure to connect the DHA-S680's video output/audio output (when using a rear monitor) to the AUX1 of AV head unit.*
- *The switched Power Lead (Ignition) connection is not needed.*
- *Also refer to the operating instructions of the other products in the system.*
- *To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).*
- *When a CD changer is connected to the DHA-S680, inserting a magazine into the DHA-S680 while the CD changer is playing will result in the sound of the CD changer being muted because of the DHA-S680 disc check being performed.*
- *When connecting the optical digital output to a digital audio processor, be sure to make connection to the CHANGER connectors of the digital audio processor optical digital input connectors. This arrangement allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects even when connection is made to the CHANGER connectors.*
- *When combining the DHA-S680 and the CD changer (CHA-S624), the optical digital output of the CHA-S624 cannot be used.*

Installation and Connections

• Connecting an Ai-NET compatible AV Head Unit (AV Head Units available after January 2001: CVA-1006/CVA-1003/IVA-C801 etc.), DVD Player (DVA-5205) and Digital Audio Processor (PXA-H510/PXA-H900)



Setting of DHA-S680

The DHA-S680's system settings must be made after connections are completed.

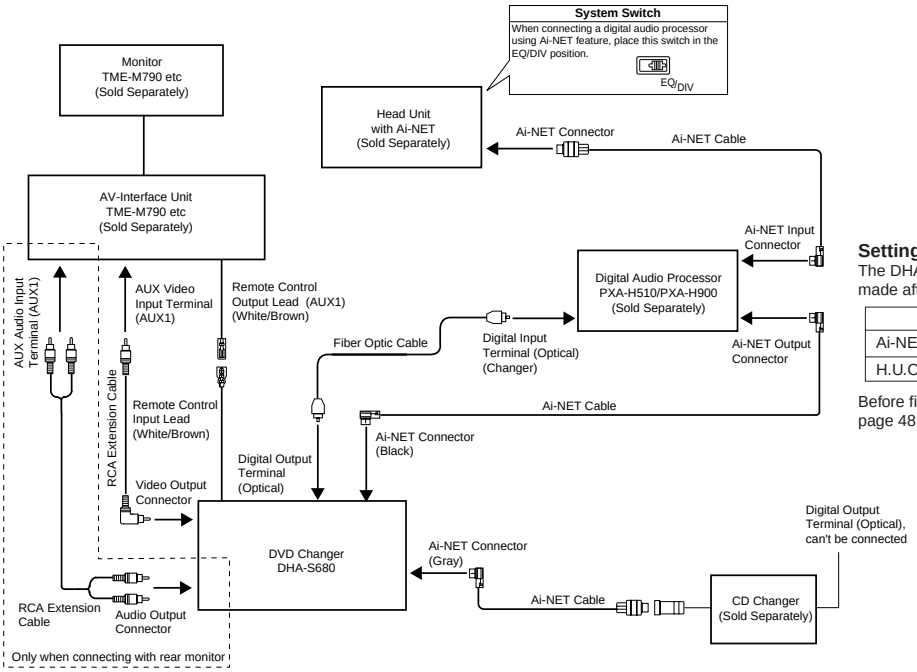
Setting Item	Setting
Ai-NET setting	DVD-CHG
H.U.CONTROL setting	ON

Before fixing the unit in place, refer to page 48 to change the system setting.

NOTES

- *Be sure to switch the head unit's system switch before turning the power on.*
- *When connecting the DVD player (DVA-5205), be sure to connect the DVA-5205's video output/audio output (when using a rear monitor) to the AV head unit's AUX1. Connect the DHA-S680's video output to the AUX2.*
- *The switched Power Lead (Ignition) connection is not needed.*
- *Also refer to the operating instructions of the other products in the system.*
- *To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).*
- *When a CD changer is connected to the DHA-S680, inserting a magazine into the DHA-S680 while the CD changer is playing will result in the sound of the CD changer being muted because of the DHA-S680 disc check being performed.*
- *When connecting the optical digital output to a digital audio processor, be sure to make connection to the CHANGER connectors of the digital audio processor optical digital input connectors. This arrangement allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects even when connection is made to the CHANGER connectors.*
- *When combining the DHA-S680 and the CD changer (CHA-S624), the optical digital output of the CHA-S624 cannot be used.*

• Connecting an Ai-NET compatible Head Unit (Head Unit available after January 2001: CDA-7990/CDA-7977/CDA-7878 etc.), Digital Audio Processor (PXA-H510/PXA-H900) and TV Monitor



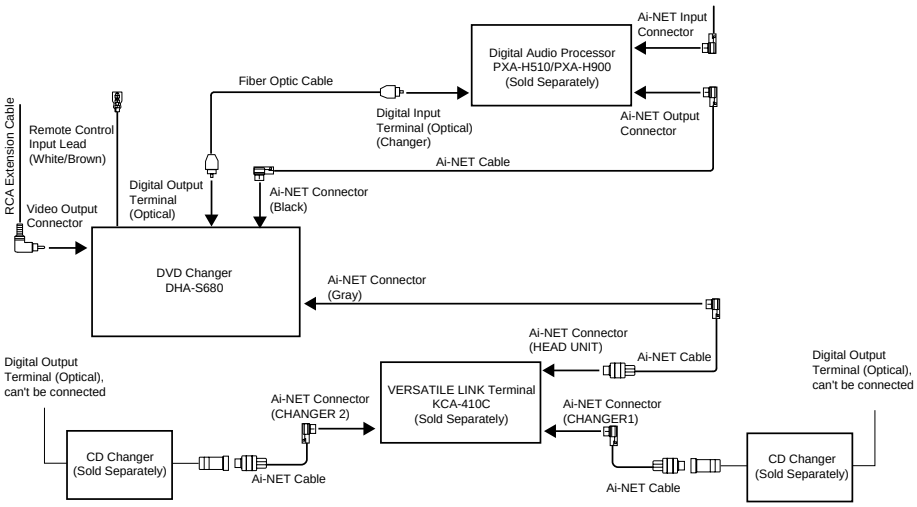
Setting of DHA-S680

The DHA-S680's system settings must be made after connections are completed.

Setting Item	Setting
Ai-NET setting	DVD-CHG
H.U.CONTROL setting	ON

Before fixing the unit in place, refer to page 48 to change the system setting.

• Connecting more than 2 CD Changers using the Versatile Link Terminal KCA-410C

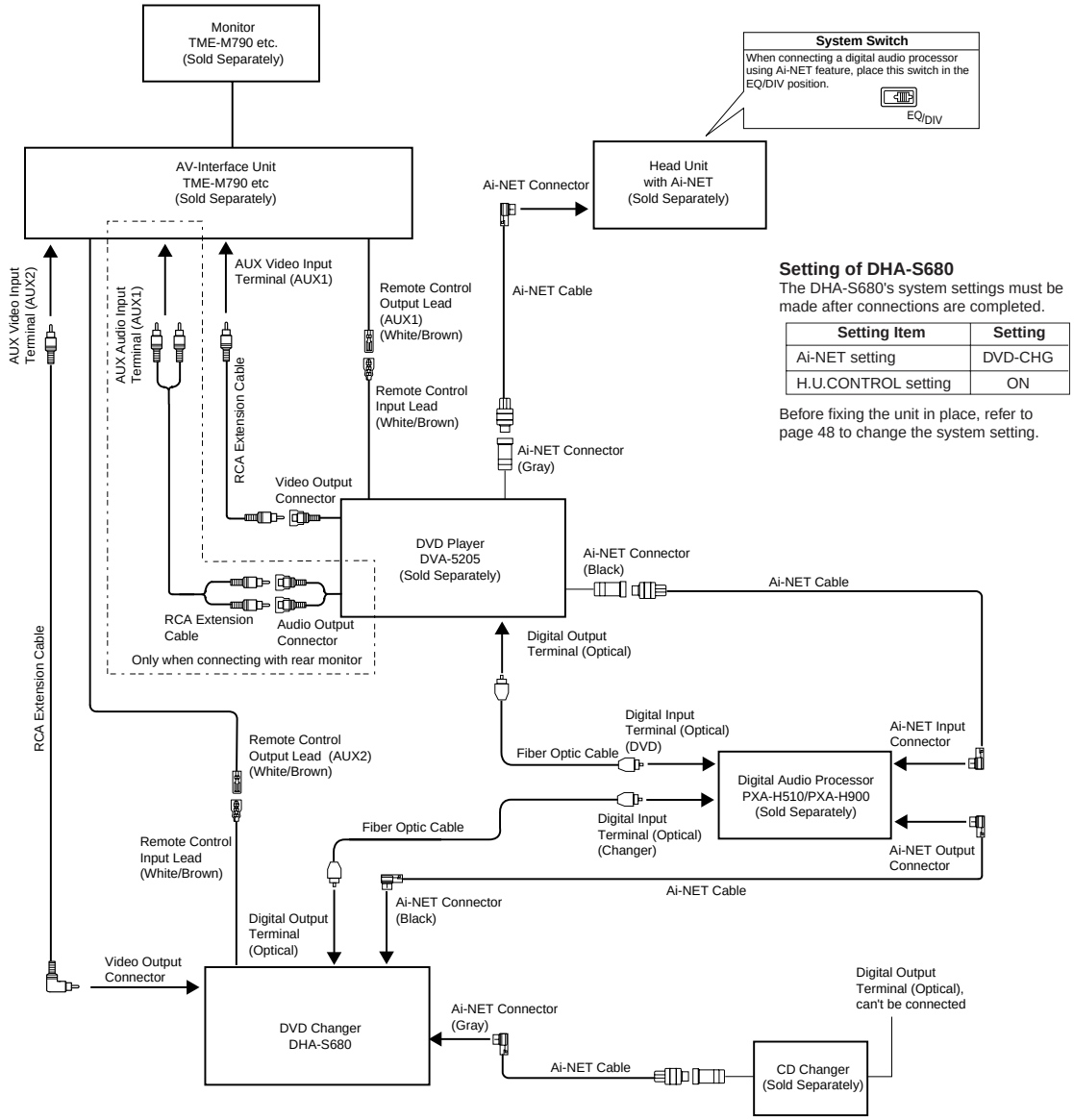


NOTES

- *Be sure to switch the head unit's system switch before turning the power on.*
- *The switched Power Lead (Ignition) connection is not needed.*
- *Also refer to the operating instructions of the other products in the system.*
- *To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).*
- *When a CD changer is connected to the DHA-S680, inserting a magazine into the DHA-S680 while the CD changer is playing will result in the sound of the CD changer being muted because of the DHA-S680 disc check being performed.*
- *When connecting the optical digital output to a digital audio processor, be sure to make connection to the CHANGER connectors of the digital audio processor optical digital input connectors. This arrangement allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects even when connection is made to the CHANGER connectors.*
- *When combining the DHA-S680 and the CD changer (CHA-S624), the optical digital output of the CHA-S624 cannot be used.*

Installation and Connections

• Connecting an Ai-NET compatible Head Unit (Head Unit available after January 2001: CDA-7990/CDA-7977/CDA-7878 etc.), DVD Player (DVA-5205), Digital Audio Processor (PXA-H510/PXA-H900) and TV Monitor



Setting of DHA-S680

The DHA-S680's system settings must be made after connections are completed.

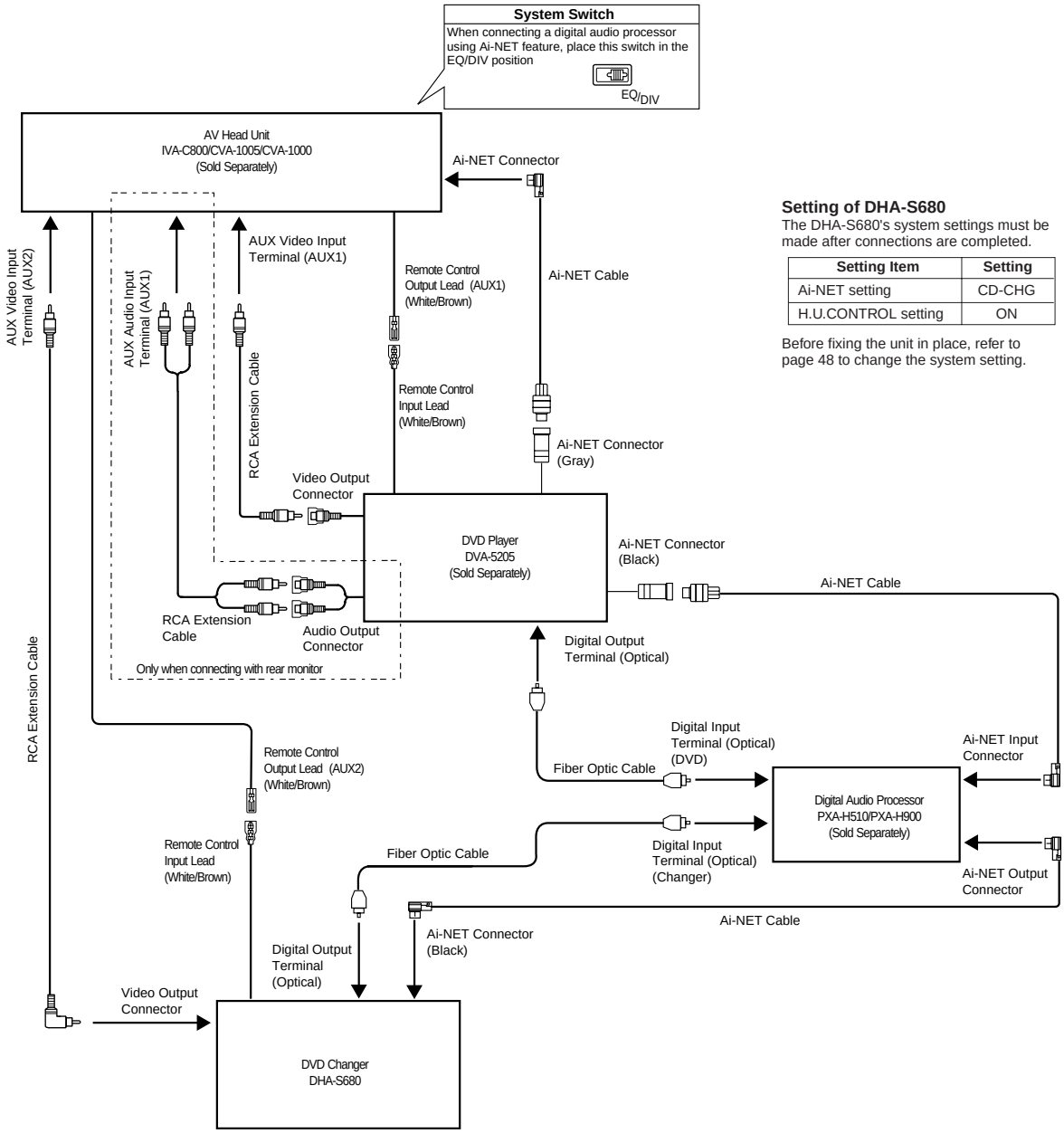
Setting Item	Setting
Ai-NET setting	DVD-CHG
H.U.CONTROL setting	ON

Before fixing the unit in place, refer to page 48 to change the system setting.

NOTES

- *Be sure to switch the head unit's system switch before turning the power on.*
- *When connecting the DVD player (DVA-5205), be sure to connect the DVA-5205's video output/audio output (when using a rear monitor) to the AV head unit's AUX1. Connect the DHA-S680's video output to the AUX2.*
- *The switched Power Lead (Ignition) connection is not needed.*
- *Also refer to the operating instructions of the other products in the system.*
- *To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).*
- *When a CD changer is connected to the DHA-S680, inserting a magazine into the DHA-S680 while the CD changer is playing will result in the sound of the CD changer being muted because of the DHA-S680 disc check being performed.*
- *When connecting the optical digital output to a digital audio processor, be sure to make connection to the CHANGER connectors of the digital audio processor optical digital input connectors. This arrangement allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects even when connection is made to the CHANGER connectors.*
- *When combining the DHA-S680 and the CD changer (CHA-S624), the optical digital output of the CHA-S624 cannot be used.*

• Connecting an Ai-NET compatible AV Head Unit (IVA-C800/CVA-1005/CVA-1000), DVD Player (DVA-5205) and Digital Audio Processor (PXA-H510/PXA-H900)



Setting of DHA-S680

The DHA-S680's system settings must be made after connections are completed.

Setting Item	Setting
Ai-NET setting	CD-CHG
H.U.CONTROL setting	ON

Before fixing the unit in place, refer to page 48 to change the system setting.

NOTES

- *Be sure to switch the head unit's system switch before turning the power on.*
- *The switched Power Lead (Ignition) connection is not needed.*
- *Also refer to the operating instructions of the other products in the system.*
- *To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).*
- *When connecting the optical digital output to a digital audio processor, be sure to make connection to the CHANGER connectors of the digital audio processor optical digital input connectors. This arrangement allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects even when connection is made to the CHANGER connectors.*
- *Even when the DHA-S680 Ai-NET settings are set to CD-CHG, making connection of the optical digital output to the digital audio processor allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects.*
- *The Versatile Link Terminal (KCA-410C) cannot be connected.*

Installation and Connections

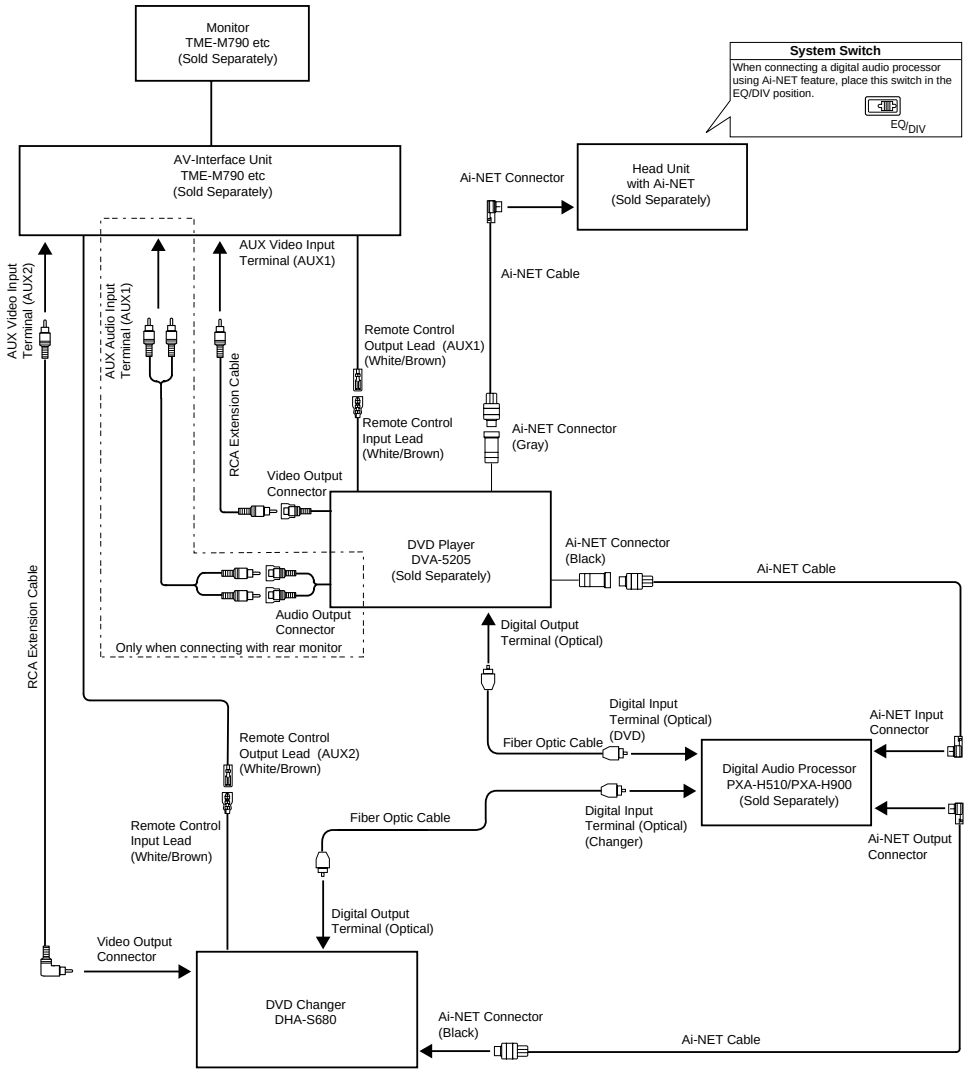
• Precautions when Connecting and Using the DHA-S680 with the Versatile Link Terminal (KCA-410C)

When connecting the DHA-S680 with the Versatile Link Terminal (KCA-410C), change the system settings of the DHA-S680 according to the following procedure before connecting the KCA-410C.

1 Make the connections for making the DHA-S680 system settings.

NOTE

After connecting the DHA-S680 to the KCA-410C, DHA-S680 system setting changes will not be possible.



2 Refer to “Changing the System Settings” (page 48) to change the system.

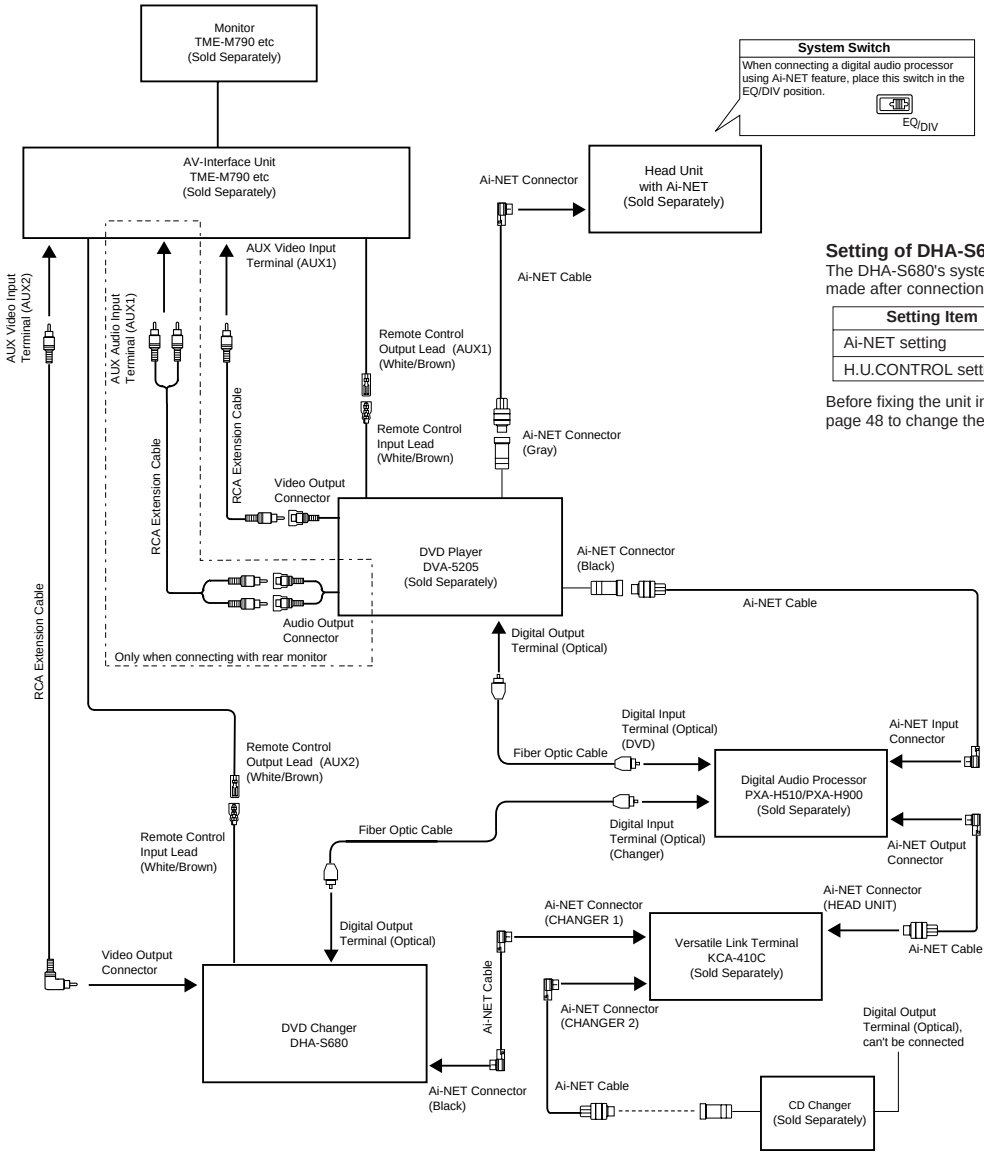
- Ai-NET setting: CD-CHG
- H.U.CONTROL: ON

3 Once the system settings have been changed and the operation check completed remove the battery, refer to Page 57, and connect the Versatile Link Terminal (KCA-410C)

NOTES

- *When using the Versatile Link Terminal (KCA-410C) and connecting the DHA-S680, connect the DHA-S680 Ai-NET cable to the CHANGER1 connector of the KCA-410C.*
- *When combining the DHA-S680 and the CD changer (CHA-S624), the optical digital output of the CHA-S624 cannot be used.*

• Connecting an Ai-NET compatible Head Unit (Head Units available after January 2001, except CDA-7990), DVD Player (DVA-5205), Digital Audio Processor (PXA-H510/PXA-H900) and TV Monitor



Setting of DHA-S680

The DHA-S680's system settings must be made after connections are completed.

Setting Item	Setting
Ai-NET setting	CD-CHG
H.U.CONTROL setting	ON

Before fixing the unit in place, refer to page 48 to change the system setting.

NOTES

- *Be sure to switch the head unit's system switch before turning the power on.*
- *When connecting the DVD player (DVA-5205), be sure to connect the DVA-5205's video output/audio output (when using a rear monitor) to the TV monitor's AUX1. Connect the DHA-S680's video output to the AUX2.*
- *The switched Power Lead (Ignition) connection is not needed.*
- *Also refer to the operating instructions of the other products in the system.*
- *To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).*
- *When connecting the optical digital output to a digital audio processor, be sure to make connection to the CHANGER connectors of the digital audio processor optical digital input connectors. This arrangement allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects even when connection is made to the CHANGER connectors.*
- *When using the Versatile Link Terminal (KCA-410C) and connecting the DHA-S680, connect the DHA-S680 Ai-NET cable to the CHANGER1 connector of the KCA-410C. Before connecting KCA-410C, change the system setting (page 56) of DHA-S680.*
- *Even when the DHA-S680 Ai-NET settings are set to CD-CHG, making connection of the optical digital output to the digital audio processor allows you to enjoy Dolby Digital 5.1 Channel Surround and other effects.*
- *When combining the DHA-S680 and the CD changer (CHA-S624), the optical digital output of the CHA-S624 cannot be used.*

Others

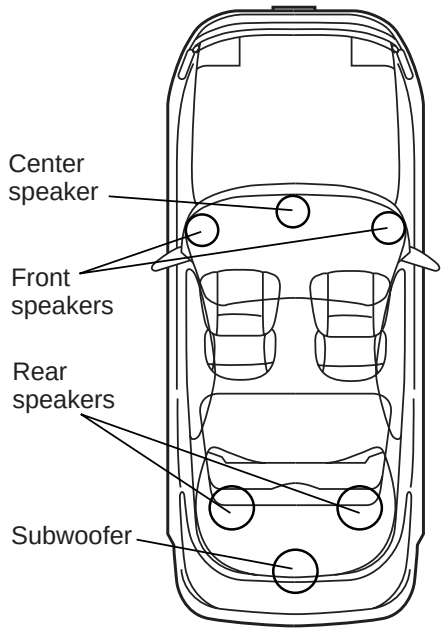
Terminology

Dolby Digital

Dolby Digital is a digital audio compression technology developed by Dolby Laboratories that allows large quantities of audio data to be efficiently recorded on discs. It is compatible with audio signals from mono (1 channel) all the way up to 5.1-channel surround sound. The signals for the different channels are completely independent, and since the sound is high quality digital there is no loss of sound quality.

* The separately sold digital audio processor (PXA-H510/PXA-H900) is required to enjoy full 5.1-channel surround sound.

The DHA-S680 performs Dolby Digital decoding when it outputs analog audio signals, it just happens to be 2-channel audio not 5.1-channel.



Speaker layout for enjoying Dolby Digital sound/dts sound

DTS

This is a home-use digital sound format of the DTS Sound System. This is a high quality sound system, developed by Digital Theater Systems Corp for use in movie theaters.
DTS has six independent sound tracks. The theater presentation is fully realized in the home and other settings. DTS is the abbreviation for Digital Theater System.

* To enjoy DTS surround sound you need the separately sold DTS digital audio processor. The DVD video software must also have a DTS sound track.

Dolby Pro Logic

Dolby Pro Logic is the technology used to decode programs encoded in Dolby Surround. Pro logic decoding will provide you with four channels of sound (front left/right, center and monaural rear surround) from a 2-channel (stereo) source.

* The separately sold digital audio processor (PXA-H510/PXA-H900) is required to enjoy Dolby Pro Logic surround sound.

Linear PCM audio (LPCM)

LPCM is a signal recording format used for music CDs. Whereas music CDs are recorded at 44.1 kHz/16 bits, DVDs are recorded at 48 kHz/16 bits to 96 kHz/24 bits, thereby achieving higher sound quality than music CDs.

Rating levels (parental lock)

This is a function of the DVD for restricting the viewing age as stipulated by laws in different countries. The way in which viewing is restricted differs from DVD to DVD. Sometimes the DVD cannot be played at all, other times certain scenes are skipped, and other times certain scenes are replaced with other scenes.

List of language codes

(For details, see page 21.)

Abbreviation	Code	Language	Abbreviation	Code	Language	Abbreviation	Code	Language
AA	6565	Afar	IE	7369	Interlingue	RN	8278	Kirundi
AB	6566	Abkhazian	IK	7375	Inupiak	RO	8279	Romanian
AF	6570	Afrikaans	IN	7378	Indonesian	RU	8285	Russian
AM	6577	Amharic	IS	7383	Icelandic	RW	8287	Kinyarwanda
AR	6582	Arabic	IT	7384	Italian	SA	8365	Sanskrit
AS	6583	Assamese	IW	7387	Hebrew	SD	8368	Sindhi
AY	6589	Aymara	JA	7465	Japanese	SG	8371	Sangho
AZ	6590	Azerbaijani	JI	7473	Yiddish	SH	8372	Serbo-Croatian
BA	6665	Bashkir	JW	7487	Javanese	SI	8373	Singhalese
BE	6669	Byelorussian	KA	7565	Georgian	SK	8375	Slovak
BG	6671	Bulgarian	KK	7575	Kazakh	SL	8376	Slovenian
BH	6672	Bihari	KL	7576	Greenlandic	SM	8377	Samoan
BI	6673	Bislama	KM	7577	Cambodian	SN	8378	Shona
BN	6678	Bengali, Bangla	KN	7578	Kannada	SO	8379	Somali
BO	6679	Tibetan	KO	7579	Korean	SQ	8381	Albanian
BR	6682	Breton	KS	7583	Kashmiri	SR	8382	Serbian
CA	6765	Catalan	KU	7585	Kurdish	SS	8383	Siswati
CO	6779	Corsican	KY	7589	Kirghiz	ST	8384	Sesotho
CS	6783	Czech	LA	7665	Latin	SU	8385	Sundanese
CY	6789	Welsh	LN	7678	Lingala	SV	8386	Swedish
DA	6865	Danish	LO	7679	Laotian	SW	8387	Swahili
DE	6869	German	LT	7684	Lithuanian	TA	8465	Tamil
DZ	6890	Bhutani	LV	7686	Latvian, Lettish	TE	8469	Telugu
EL	6976	Greek	MG	7771	Malagasy	TG	8471	Tajik
EN	6978	English	MI	7773	Maori	TH	8472	Thai
EO	6979	Esperanto	MK	7775	Macedonian	TI	8473	Tigrinya
ES	6983	Spanish	ML	7776	Malayalam	TK	8475	Turkmen
ET	6984	Estonian	MN	7778	Mongolian	TL	8476	Tagalog
EU	6985	Basque	MO	7779	Moldavian	TN	8478	Setswana
FA	7065	Persian	MR	7782	Marathi	TO	8479	Tongan
FI	7073	Finnish	MS	7783	Malay	TR	8482	Turkish
FJ	7074	Fiji	MT	7784	Maltese	TS	8483	Tsonga
FO	7079	Faroese	MY	7789	Burmese	TT	8484	Tatar
FR	7082	French	NA	7865	Nauru	TW	8487	Twi
FY	7089	Frisian	NE	7869	Nepali	UK	8575	Ukrainian
GA	7165	Irish	NL	7876	Dutch	UR	8582	Urdu
GD	7168	Scots Gaelic	NO	7879	Norwegian	UZ	8590	Uzbek
GL	7176	Galician	OC	7967	Occitan	VI	8673	Vietnamese
GN	7178	Guarani	OM	7977	(Afan) Oromo	VO	8679	Volapuk
GU	7185	Gujarati	OR	7982	Oriya	WO	8779	Wolof
HA	7265	Hausa	PA	8065	Punjabi	XH	8872	Xhosa
HI	7273	Hindi	PL	8076	Polish	YO	8979	Yoruba
HR	7282	Croatian	PS	8083	Pashto, Pushto	ZH	9072	Chinese
HU	7285	Hungarian	PT	8084	Portuguese	ZU	9085	Zulu
HY	7289	Armenian	QU	8185	Quechua			
IA	7365	Interlingua	RM	8277	Rhaeto-Romance			

Others

List of country codes

(For details, see page 23.)

Abbreviation	Code	Country	Abbreviation	Code	Country	Abbreviation	Code	Country
AD	6568	Andorra	DM	6877	Dominica	KI	7573	Kiribati
AE	6569	United Arab Emirates	DO	6879	Dominican Republic	KM	7577	Comoros
AF	6570	Afghanistan	DZ	6890	Algeria	KN	7578	Saint Kitts and Nevis
AG	6571	Antigua and Barbuda	EC	6967	Ecuador	KP	7580	Korea, Democratic People's Republic of
AI	6573	Anguilla	EE	6969	Estonia			
AL	6576	Albania	EG	6971	Egypt	KR	7582	Korea, Republic of
AM	6577	Armenia	EH	6972	Western Sahara	KW	7587	Kuwait
AN	6578	Netherlands Antilles	ER	6982	Eritrea	KY	7589	Cayman Islands
AO	6579	Angola	ES	6983	Spain	KZ	7590	Kazakstan
AQ	6581	Antarctica	ET	6984	Ethiopia	LA	7665	Lao People's Democratic Republic
AR	6582	Argentina	FI	7073	Finland			
AS	6583	American Samoa	FJ	7074	Fiji	LB	7666	Lebanon
AT	6584	Austria	FK	7075	Falkland Islands	LC	7667	Saint Lucia
AU	6585	Australia	FM	7077	Micronesia, Federated States of	LI	7673	Liechtenstein
AW	6587	Aruba	FO	7079	Faroe Islands	LK	7675	Sri Lanka
AZ	6590	Azerbaijan	FR	7082	France	LR	7682	Liberia
BA	6665	Bosnia and Herzegovina	GA	7165	Gabon	LS	7683	Lesotho
BB	6666	Barbados	GB	7166	United Kingdom	LT	7684	Lithuania
BD	6668	Bangladesh	GD	7168	Grenada	LU	7685	Luxembourg
BE	6669	Belgium	GE	7169	Georgia	LV	7686	Latvia
BF	6670	Burkina Faso	GF	7170	French Guiana	LY	7689	Libyan Arab Jamahiriya
BG	6671	Bulgaria	GH	7172	Ghana	MA	7765	Morocco
BH	6672	Bahrain	GI	7173	Gibraltar	MC	7767	Monaco
BI	6673	Burundi	GL	7176	Greenland	MD	7768	Moldova, Republic of
BJ	6674	Benin	GM	7177	Gambia	MG	7771	Madagascar
BM	6677	Bermuda	GN	7178	Guinea	MH	7772	Marshall Islands
BN	6678	Brunei Darussalam	GP	7180	Guadeloupe	MK	7775	Macedonia, The former Yugoslav Republic of
BO	6679	Bolivia	GQ	7181	Equatorial Guinea			
BR	6682	Brazil	GR	7182	Greece	ML	7776	Mali
BS	6683	Bahamas	GS	7183	South Georgia and the South Sandwich Islands	MM	7777	Myanmar
BT	6684	Bhutan				MN	7778	Mongolia
BV	6686	Bouvet Island	GT	7184	Guatemala	MO	7779	Macau
BW	6687	Botswana	GU	7185	Guam	MP	7780	Northern Mariana Islands
BY	6689	Belarus	GW	7187	Guinea-Bissau	MQ	7781	Martinique
BZ	6690	Belize	GY	7189	Guyana	MR	7782	Mauritania
CA	6765	Canada	HK	7275	Hong Kong	MS	7783	Montserrat
CC	6767	Cocos (Keeling) Islands	HM	7277	Heard Island and McDonald Islands	MT	7784	Malta
CD	6768	Congo, the Democratic Republic of the				MU	7785	Mauritius
			HN	7278	Honduras	MV	7786	Maldives
CF	6770	Central African Republic	HR	7282	Croatia	MW	7787	Malawi
CG	6771	Congo	HT	7284	Haiti	MX	7788	Mexico
CH	6772	Switzerland	HU	7285	Hungary	MY	7789	Malaysia
CI	6773	Cote d'Ivoire	ID	7368	Indonesia	MZ	7790	Mozambique
CK	6775	Cook Islands	IE	7369	Ireland	NA	7865	Namibia
CL	6776	Chile	IL	7376	Israel	NC	7867	New Caledonia
CM	6777	Cameroon	IN	7378	India	NE	7869	Niger
CN	6778	China	IO	7379	British Indian Ocean Territory	NF	7870	Norfolk Island
CO	6779	Colombia	IQ	7381	Iraq	NG	7871	Nigeria
CR	6782	Costa Rica	IR	7382	Iran, Islamic Republic of	NI	7873	Nicaragua
CU	6785	Cuba	IS	7383	Iceland	NL	7876	Netherlands
CV	6786	Cape Verde	IT	7384	Italy	NO	7879	Norway
CX	6788	Christmas Island	JM	7477	Jamaica	NP	7880	Nepal
CY	6789	Cyprus	JO	7479	Jordan	NR	7882	Nauru
CZ	6790	Czech Rempublic	JP	7480	Japan	NU	7885	Niue
DE	6869	Germany	KE	7569	Kenya	NZ	7890	New Zealand
DJ	6874	Djibouti	KG	7571	Kyrgyzstan	OM	7977	Oman
DK	6875	Denmark	KH	7572	Cambodia	PA	8065	Panama

Abbreviation	Code	Country	Abbreviation	Code	Country	Abbreviation	Code	Country
PE	8069	Peru	SJ	8374	Svalbard and Jan Mayen	TW	8487	Taiwan, Province of China
PF	8070	French Polynesia	SK	8375	Slovakia	TZ	8490	Tanzania, United Republic of
PG	8071	Papua New Guinea	SL	8376	Sierra Leone	UA	8565	Ukraine
PH	8072	Philippines	SM	8377	San Marino	UG	8571	Uganda
PK	8075	Pakistan	SN	8378	Senegal	UM	8577	United States Minor Outlying Islands
PL	8076	Poland	SO	8379	Somalia	US	8583	United States
PM	8077	Saint Pierre and Miquelon	SR	8382	Suriname	UY	8589	Uruguay
PN	8078	Pitcairn	ST	8384	Sao Tome and Principe	UZ	8590	Uzbekistan
PR	8082	Puerto Rico	SV	8386	El Salvador	VA	8665	Holy See (Vatican City State)
PT	8084	Portugal	SY	8389	Syrian Arab Republic	VC	8667	Saint Vincent and the Grenadines
PW	8087	Palau	SZ	8390	Swaziland			
PY	8089	Paraguay	TC	8467	Turks and Caicos Islands	VE	8669	Venezuela
QA	8165	Qatar	TD	8468	Chad	VG	8671	Virgin Island, British
RE	8269	Reunion	TF	8470	French Southern Territories	VI	8673	Virgin Islands, U.S
RO	8279	Romania	TG	8471	Togo	VN	8678	Viet Nam
RU	8285	Russian Federation	TH	8472	Thailand	VU	8685	Vanuatu
RW	8287	Rwanda	TJ	8474	Tajikistan	WF	8770	Wallis and Futuna
SA	8365	Saudi Arabia	TK	8475	Tokelau	WS	8783	Samoa
SB	8366	Solomon Islands	TM	8477	Turkmenistan	YE	8969	Yemen
SC	8367	Seychelles	TN	8478	Tunisia	YT	8984	Mayotte
SD	8368	Sudan	TO	8479	Tonga	YU	8985	Yugoslavia
SE	8369	Sweden	TP	8480	East Timor	ZA	9065	South Africa
SG	8371	Singapore	TR	8482	Turkey	ZM	9077	Zambia
SH	8372	Saint Helena	TT	8484	Trinidad and Tobago	ZW	9087	Zimbabwe
SI	8373	Slovenia	TV	8486	Tuvalu			

Others

In case of difficulty

- If operation freezes, the screen goes black or the unit should otherwise not function properly, try turning the power off then back on. Alternatively, try the following methods in the order listed until the DHA-S680 returns to normal playback mode:
  1) Change the source from DVD to another source then return to DVD mode.
  2) Turn the car's ignition OFF and back ON again.
- This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Symptom	Cause	Remedy
Unit does not operate.	Fuse is blown.	Replace with a fuse of the specified capacity. (See installation instructions.)
	Monitor's power is not turned on.	Turn on the monitor's power.
	Condensation.	Wait a while (about 1 hour) for the condensation to dry.
Operation is unstable.	Remote control unit's batteries are worn.	Replace the remote control unit's batteries with new ones.
	Remote control sensor or transmitter is dirty.	Clean the sensor or transmitter.
No picture is produced.	Monitor's mode is not switched to the mode you want to see.	Switch to the mode you want to see.
	Monitor's parking brake cord is not connected.	Connect the monitor's parking brake cord and set the parking brake. (For details, refer to the monitor's instructions.)
	Monitor's parking brake is not set.	
Playback does not start.	Disc is loaded upside-down.	Check the disc and load it with the labeled side facing upward.
	Disc is dirty.	Clean the disc.
	A disc not able to playback with this unit is loaded.	Check if the disc is able to be played back.
	Parental lock is set.	Cancel the parental lock or change the rating level.
	Setup menu is displayed.	Press "SET" for at least 2 seconds to turn the menu off.
Picture is unclear or noisy.	Disc is being fast-forwarded or fast-reversed.	The picture may be slightly disturbed, but this is normal.
	Vehicle's battery power is weak.	Check the battery power and wiring. (The unit may malfunction if the battery power is under 11 volts with a load applied.)
	Monitor's fluorescent tube is worn.	Replace the monitor's fluorescent tube.
Image stops sometimes.	Disc is scratched.	Replaced with a non-scratched disc.
NO MAG	No magazine is loaded.	Load a magazine.
NO DISC	No disc is loaded.	Load a disc.
	Disc is dirty.	Clean the disc.
⊘	Remote control operation is not possible.	For some discs or playing modes, certain operations are not possible. This is not a malfunction.
REGIONAL CODE VIOLATION	Disc does not match regional code number.	Load a disc that matches the regional code number.
VIDEO SIGNAL SYSTEM IS NOT CORRECT	PAL disc is loaded.	Load an NTSC disc.
HI-TEMP	Protective circuit is activated to high temperature.	Turn the power (main unit power when not connected) OFF on the connected head unit and then turn the power ON again. If the display still does not disappear, leave the power OFF until the temperature decreases and then turn the power ON again.

Specifications

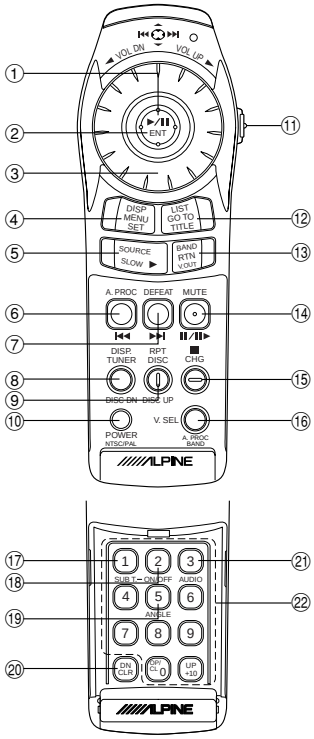
Signal system ..... NTSC/PAL
Horizontal resolution ..... 500 lines or greater
Video output level ..... 1Vp-p (75 ohms)
Video S/N ratio ..... DVD: 70 dB
Audio S/N ratio ..... DVD: 120 dB/CD: 120 dB
Frequency response ..... DVD: 5 Hz to 22 kHz (±1 dB) (48 kHz sampling)
DVD: 5 Hz to 44 kHz (±1 dB) (96 kHz sampling)/CD: 5 Hz to 20 kHz (±1 dB)
Dynamic range ..... 90 dB or greater
Wow & flutter ..... Below measurable limit
Channel separation ..... 90 dB
Harmonic distortion 0.007%
Audio output ..... RCA: 1200mV/Ai-NET: 850 mV
Power supply ..... DC 14.4V (operating range: 11 to 16V)
Operating temperature range ..... –10° to +60°C
Weight ..... 2.8 kg (6 lbs. 3 oz)
External dimensions (W x H x D) ..... 255 x 77.5 x 203 mm (10" x 3" x 8")
Pickup wave length 655nm
Laser power ..... CLASS II

NOTES

- *For improvement purposes, specifications and design are subject to change without notice.*
- *The illustrations in this manual may appear different from the actual product due to printing conditions.*

Operating the DHA-S680 DVD Video Player

When operating the DHA-S680 set the DVD/ AUDIO switch to the “DVD” side.



① **Joystick (→ P12, 18, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 48, 49)**

Selects the items displayed on the screen.

② **ENT button (→ P12, 15, 16, 18, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 48, 49)**

Determines the selected item.

③ **Rotary Encoder (→ P11)**

Adjusts the volume when only the Digital Audio Processor is connected.

④ **MENU button (→ P12, 15, 16, 18, 21)**

Displays the DVD menu.

SET button (→ P21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 48, 49)

Press and hold for 2 seconds to summon the SET UP (initial setting) screen.

⑤ **▶ Button (→ P12, 13, 14, 18)**

Playback.

SLOW Button (→ P14)

Press and hold for 2 seconds for slow motion playback.

⑥ **I◀◀ Button (→ P13, 14)**

Seeks the start for video and audio data.

Press and hold for 2 seconds for Rewind of video and audio data.

⑦ **▶▶I Button (→ P13, 14)**

Seeks the start for video and audio data.

Press and hold for 2 seconds for Fast Forward of video and audio data.

⑧ **DISP. Button (→ P19)**

Displays the playback state on the screen.

DISC DN (→ P11)

Selects the disc in the magazine. (Disc No. down)

⑨ **RPT Button (→ P16)**

Repeat playback.

DISC UP (→ P11)

Selects the disc in the magazine. (Disc No. up)

⑩ **POWER Button (→ P10)**

Turns the power ON and OFF.

NTSC/PAL Button (→ P11)

Press and hold for 5 seconds to change between NTSC and PAL.

⑪ **DVD/AUDIO Switch (→ P7)**

Used to switch between DVD and Audio operation.

⑫ **GO TO Button (→ P15, 16)**

Used to go directly to start of selection.

TITLE Button (→ P12, 18)

Press and hold for 2 seconds to display the Title Menu.

⑬ **RTN Button (→ P15, 16, 21, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39)**

Used to return the selection screen just prior to the present screen.

V.OUT Button (→ P20, 48, 49)

Outputs the DVD video to the monitor when in other source.

⑭ **II / II▶ Button (→ P14)**

Used for Pause and Frame-by-Frame playback.

⑮ **■ Button (→ P13, 25)**

Used to stop playback.

⑯ **A.PROC Button (→ P32, 33, 34, 35, 36, 37, 38, 39)**

Used to summon the processor control screen when connected with the Digital Audio Processor.

BAND Button (→ P32, 38)

Press and hold for 2 seconds to switch the menu screen when controlling the Digital Audio Processor.

⑰ **SUB T. Button (→ P18)**

Press and hold for 2 seconds to change the subtitles.

⑱ **–ON/OFF Button (→ P18)**

Press and hold for 2 seconds to turn the subtitles ON and OFF.

⑲ **ANGLE Button (→ P17)**

Press and hold for 2 seconds to change the angle.

⑳ **CLR Button (→ P15, 16, 23)**

Remove numbers (one character at a time) that have been selected and input.
Press and hold for 2 seconds. All the characters which were selected and input are erased.

㉑ **AUDIO Button (→ P17)**

Press and hold for 2 seconds to change the audio output.

㉒ **10-Key Pad (→ P11, 12, 15, 16, 18, 21, 23, 24)**

Used to input numbers.

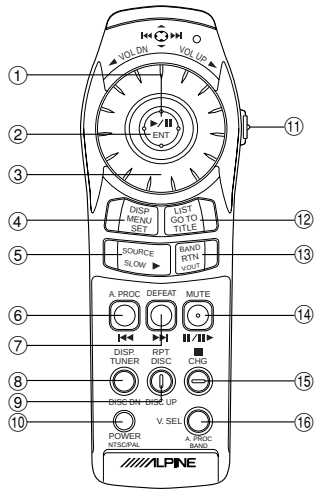
NOTE

Operation may not be accepted depending on the type of disc and the playback conditions. At such a time the following mark is displayed on the screen: ⊘

Others

Operating audio for the Alpine Ai-NET

When operating audio for the Alpine Ai-NET, set the DVD/AUDIO switch to the “AUDIO” side.



① **Joy Stick**
Music Sensor/Fast Forward/Rewind/Disc Change/ Preset Selection/SEEK

② **ENT Button**
Play/Pause

③ **Rotary Encoder**
Head unit's volume adjustment

④ **DISP Button**
Head unit's display switching

⑤ **SOURCE Button**
Source switching

⑥ **A.PROC Button**
Audio Processor Switch

⑦ **DEFEAT Button**
Defeat Mode ON/OFF

⑧ **TUNER Button**
Switches to Radio Mode.

⑨ **DISC Button**
Switches to built-in CD/MD mode.

⑩ **Power Button**
Power ON/OFF switching

⑪ **DVD/AUDIO Switch**
Switching between DVD and Audio operation

⑫ **LIST Button**
Changes the title list display.
Head unit's display switching

⑬ **BAND Button**
Radio Band switching

⑭ **MUTE Button**
Mute

⑮ **CHG Button**
Switches to CHANGER Mode (DVD changer/CD Changer).
Changer switching
(In case two or more changers are connected.)

⑯ **V.SEL Button**
V.SEL Switching

NOTE
Some controls may not be possible depending on the audio device being used.

GARANTIE LIMITÉE

Fidèles à leur engagement de ne fournir que des produits de qualité, ALPINE ELECTRONIQUE DE L'AMERIQUE INC. et ALPINE ELECTRONIQUE DU CANADA INC. (Alpine) sont heureuses de vous offrir cette garantie. Nous vous suggérons de le lire attentivement et en entier. Si vous avez la moindre question, veuillez contacter l'un de nos concessionnaires ou appeler directement Alpine au numéros Liste ci-dessous.

● PRODUITS COUVERT PAR LA GARANTIE

Cette garantie couvre les produits audio/visuel de voiture et les accessoires connexes ("le produit"). Elle ne couvre les produits que dans le pays où il ont été achetés.

● DURÉE DE LA GARANTIE

Cette garantie est en vigueur pendant un an à partir de la date du premier achat du client.

● GARANTIE À VIE DES TÊTES DE LECTURE DES MAGNÉTOPHONES À CASSETTES

Toutes les têtes de cassettes analogiques audio de voiture Alpine, à l'exception des êtes de cassettes vidéo sont garanties à vie contre des vices de fabrication pouvant entraîner leur panne.

● PERSONNES PROTÉGÉES PAR LA GARANTIE

Seul l'acheteur original du produit, s'il résisde aux États-Unis, à Porto Rico ou au Canada, peut se prévaloir de la garantie.

● CE QUI EST COUVERT

Cette garantie couvre tous les défauts de matériaux et de fabrication (pièces et main d'œuvre) du produit.

● CE QUI N'EST PAS COUVERT

Cette garantie ne couvre pas ce qui suit:

① Les dommages survenus durant le transport des produits renvoyés à Alpine pour être réparés (les réclamations doivent être adressées au transporteur);
② Tout dégât provoqué par accident, abus, négligence, usage inapproprié, mauvais raccordement, mauvaise utilisation ou par le non-respect des instructions indiquées dans le manuel de l'utilisateur.
③ Les dommages dus à la force majeure, notamment aux tremblements de terre, au feu, aux inondations, aux tempêtes ou aux autres cataclysmes naturels;
④ Les frais ou les dépenses relatifs à l'enlèvement ou à la réinstallation du produit;
⑤ Les services rendus par une personne, physique ou morale non autorisée;
⑥ Les produits dont le numéro de série a été effacé, modifié ou retiré;
⑦ Les produits qui ont été adaptés ou modifiés sans le consentement d'Alpine;
⑧ Les produits qui ne sont pas distribués par Alpine aux Etats-Unis, à Porto Rico ou au Canada;
⑨ Les produits qui n'ont pas été achetés par l'entremise d'un concessionnaire Alpine autorisé;
⑩ Tout produit qui a été déterminé comme contenant une quantité excessive de poussière ou de saleté et tout produit qui contient d'autres saleté, en ce compris du liquide et des corps étrangers.

● COMMENT SE PRÉVALOIR DE LA GARANTIE

① Il vous faut remettre le produit nécessitant des réparations à un centre de service autorisé Alpine ou à Alpine même et en assumer les frais de transport. Alpine a le choix entre réparer le produit ou le remplacer par un produit neuf ou révisé, le tout sans frais pour vous. Si les réparations sont couvertes par la garantie et si le produit a été envoyé à un centre de service Alpine ou à Alpine, le paiement des frais de réexpédition du produit incombe Alpine.
② Vous devez donner une description détaillée des problèmes qui sont à l'origine de votre demande de réparation.
③ Vous devez joindre la preuve de votre achat du produit.
④ Vous devez emballer soigneusement le produit pour éviter tout dommage durant son transport.

● LIMITATION DES GARANTIES TACITES

LA DURÉE DE TOUTES LES GARANTIES TACITES, Y COMPRIS LA GARANTIE D'ADAPTATION A L'UTILISATION ET LA GARANTIE DE QUALITÉ LOYALE ET MARCHANDE, EST LIMITÉE À CELLE DE LA GARANTIE EXPRESSE DÉTERMINÉE CI-DESSUS. PERSONNE N'EST AUTORISÉ À ENGAGER AUTREMENT LA RESPONSABILITÉ D'ALPINE EN VERTU DE LA VENTE D'UN PRODUIT.

● EXCLUSIONS DE LA GARANTIE

ALPINE STIPULE EXPRESSÉMENT QU'ELLE N'EST PAS RESPONSABLE DES DOMMAGES DOMMAGES-INTÉRÊTS ET DOMMAGES INDIRECTS PROVOQUÉS PAR LE PRODUIT. LES DOMMAGES DOMMAGES-INTÉRÊTS SONT LES FRAIS DE TRANSPORT DU PRODUIT VERS UN CENTRE DE SERVICE ALPINE, LA PERTE DE TEMPS DE L'ACHETEUR ORIGINAL, LA PERTE D'UTILISATION DU PRODUIT, LES BILLETS D'AUTOBUS, LA LOCATION DE VOITURES ET TOUS LES AUTRES FRAIS LIÉS À LA GARDE DU PRODUIT.
LES DOMMAGES INDIRECTS SONT LES FRAIS DE RÉPARATION OU DE REMPLACEMENT D'AUTRES BIENS ENDOMMAGÉS SUITE AU MAUVAIS FONCTIONNEMENT DU PRODUIT.
LES RECOURS PRÉVUS PAR LES PRÉSENTES EXCLUENT ET REMPLACENT TOUTE AUTRE FORME DE RECOURS.

● LIEN ENTRE LA GARANTIE ET LA LOI

La garantie vous donne des droits spécifiques, mais vous pouvez aussi jouir d'autres droits, qui varient d'un état ou d'une province à l'autre. En outre, certains états et certaines provinces interdisent de limiter la durée des garanties tacites ou d'exclure les dommages accessoires ou indirects. Dans ce cas, les limites et les exclusions de la garantie peuvent ne pas s'appliquer à vous.

● CLAUSE APPLICABLE AU CANADA SEULEMENT

Pour que la garantie soit valable, il faut qu'un centre d'installation autorisé ait installé le système audio pour l'auto dans votre véhicule et qu'il ait ensuite apposé son cachet sur la garantie.

● NUMÉROS D'APPEL DU SERVICE À LA CLIENTELE

Si vous avez besoin de nos services, veuillez appeler le centre de service autorisé Alpine le plus proche.

U.S.A.	**1-800-ALPINE-1 (1-800-257-4631)**
CANADA	**1-800-ALPINE-1 (1-800-257-4631)**

Alpine Électronique de L'Amérique, Inc., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
Alpine Électronique du Canada, Inc., Suite 203, 7300 Warden Ave. Markham, Ontario L3R 9Z6, Canada

LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or Alpine at one of the telephone numbers listed below.

● PRODUCTS COVERED:

This Warranty covers Car Audio/Visual Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

● LENGTH OF WARRANTY:

This Warranty is in effect for one year from the date of the first consumer purchase.

● LIFETIME TAPE HEAD WARRANTY:

All Alpine Car Audio analog tape heads excluding Video tape heads are warranted for life against manufacturing defects causing failure.

● WHO IS COVERED:

This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

● WHAT IS COVERED:

This Warranty covers defects in materials or workmanship (parts and labor) in the product.

● WHAT IS NOT COVERED:

This Warranty does not cover the following:

① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
② Damage caused by accident, abuse, negligence, misuse, improper connections, improper operation or failure to follow instructions contained in the Owner's manual.
③ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature.
④ Any cost or expense related to the removal or reinstallation of the product.
⑤ Service performed by an unauthorized person, company or association.
⑥ Any product which has the serial number defaced, altered or removed.
⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
⑨ Any product not purchased from an Authorized Alpine Dealer.
⑩ Any product that has been determined to contain an excessive amount of dust or dirt and any product that contains other contaminants including liquid or foreign objects.

● HOW TO OBTAIN WARRANTY SERVICE:

① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
② You should provide a detailed description of the problem(s) for which service is required.
③ You must supply proof of your purchase of the product.
④ You must package the product securely to avoid damage during shipment.

● HOW WE LIMIT IMPLIED WARRANTIES:

ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

● HOW WE EXCLUDE CERTAIN DAMAGES:

ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

● HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:

This Warranty gives you specific legal rights, and you may also have other rights which vary form state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

● IN CANADA ONLY:

This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

● HOW TO CONTACT CUSTOMER SERVICE:

Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

U.S.A.	**1-800-ALPINE-1 (1-800-257-4631)**
CANADA	**1-800-ALPINE-1 (1-800-257-4631)**

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